November, 1957

the Carolina Farmer

★ NORTH CAROLINA'S RURAL ELECTRIC MAGAZINE

YOU'RE BUYING MORE THAN POWER

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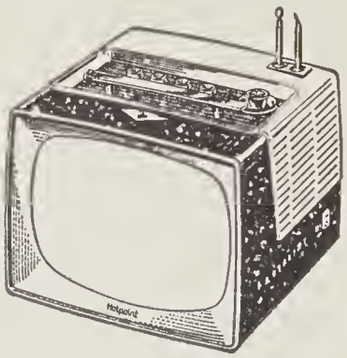
Wiring an All-Electric House

A Pee-Dee Member Does It Right

L O=O K

TO HOTPOINT . . . 1958's TV FOR POWER AND PERFORMANCE



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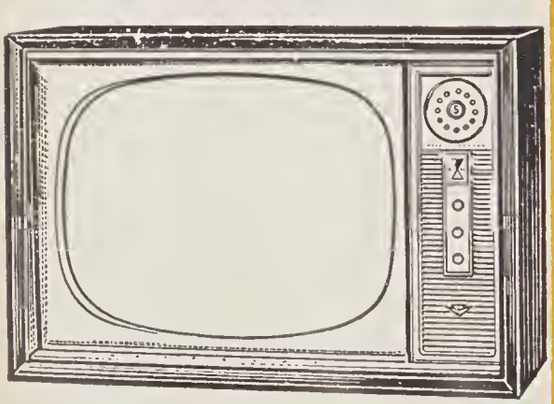

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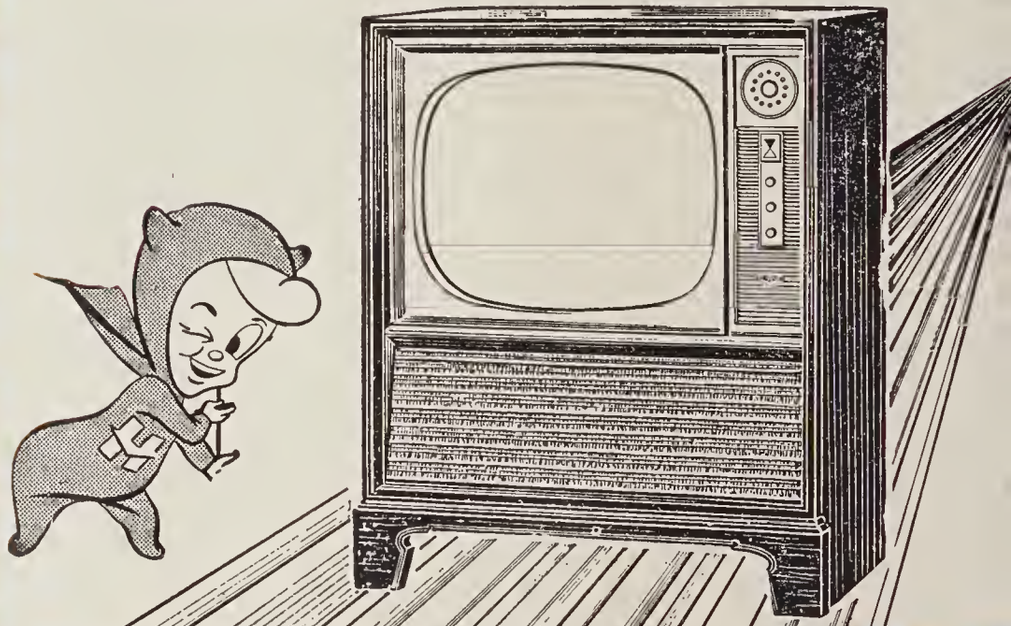
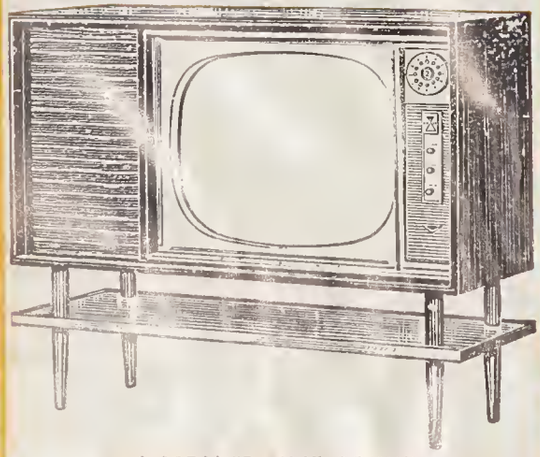


Hotpoint

1958
DELUXE HOTPOINT
LOWBOY TV



3-SPEAKER Hi-Vi SOUND

ASK ABOUT Hotpoint's

SPECIAL FARM PAYMENT PLAN

PAY AS YOUR CROPS COME IN.

Dear Reader:

NORTH CAROLINA CORN BREAD WEEK has come and gone, and Thanksgiving is still a few fine autumn days away, so we hope we catch you with time to consider some of the things we're up to in this and future issues.

Becky Rivers returned from Finland full of raw fish (a delicacy over yonder) and new ideas. She is now at work selecting a *Carolina Farmer* youth panel which will opinionate on problems of young people. The panelists will be teenagers who live on co-op lines, and we'll be calling on our young readers to supply them with questions to consider. In the December issue, we will introduce our panelists and give you fuller details.

EVERY CO-OP MEMBER ought to know the things we've tried to say on pages 18 and 19. The subject is "debt," a topic most people don't like to consider, but artist Roger Brantley's cartoons make it inviting and, we hope, a little more understandable.

WE FEEL A LOT CLOSER to our readers since we've seen some of your letters in response to our contest offering $100 in appliance prizes to a young co-op couple. Many of your letters had personal notes about you and your family, for which we are grateful. We like the humble honesty of a 49-year-old Wilkes County woman who wrote, in part:

"Altho we are not a newly married couple, but would like very much to enter your contest because of some of those nice things. As I am the mother of 13 children and I have worked hard to raise them and now I am not able to get things like I would like to have. I would like the automatic skillet. I have to cook on a wood stove and if I had one of them it would save me lots of steps. And if I had the steam iron I could keep my little boys pants pressed and save some money. And I would like the sauce pan because I could have my stuff cooking while I was washing and not be afraid it would burn. And I would like the mixer because I am not able to use a hand mixer."

Unfortunately, we restricted the contest to engaged couples, or those who had been married a short time, and our judges have to go by those rules. We'll announce the winning couple in our Christmas issue.

J. C. Brown Jr.

the Carolina Farmer

Volume 12 *November, 1957* *Number 11*

J. C. BROWN JR., *Editor*

REBEKAH RIVERS, *Assistant Editor*

LYNN BRUNSON, *Editorial Assistant*

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Cover Photo by RALPH MILLS

OFFICIAL PUBLICATION
TARHEEL ELECTRIC MEMBERSHIP ASSOCIATION
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Why Does he Worry?

Seventeen may seem like a carefree age, but to Deaver Allen and thousands like him it's a year of decision

Deaver Allen, 4-H Champion

Deaver Allen doesn't talk much, but the look of grave concern on his face suggests he thinks a lot, even worries a bit. If he has been worrying, it has paid off.

At 17, this Cleveland County country boy could tell of an impressive number of accomplishments, if he were a-mind to. As it is, he modestly leaves it to his 4-H advisor, Assistant County Agent Henry Dameron, to talk about them in any detail.

For one thing, Deaver is an uncle 25 times, which is something to think about, even if it wasn't his doing. His latest, and his own, accomplishment was recorded at 4-H Club Week, when he won the boys' 4-H Electric Demonstration Contest with an impressive demonstration on locating an electric meter. It was the second time he had represented his No. 3 High School 4-H Club in the demonstration contest sponsored by Tarheel Electric Membership Association. Last year he placed second in the district; this year he placed first in the district before going on to win the state championship.

Saying that Deaver doesn't talk much doesn't mean he can't. He was school winner in a public speaking contest conducted in memory of Clyde Hoey, and he spoke in another event this year at Lenoir-Rhyne College. He was president of his Junior Class and treasurer of the Beta Club last year, and any politician knows it takes some talking to win elections. It's all the more to his credit that he had to overcome a natural shyness to win.

Last year Deaver won his uniform on the basketball team, and he's going out again this year, but right now he is mainly concerned about the future. He's good in algebra and geometry, and he wants to go to State College and study electrical engineering. But he isn't sure he can make it, and he worries. His parents have another worry, and one that most parents of healthy young teenagers have. His father, C. L. Allen, is afraid he may let romance compete too much with his books.

Under questioning, Deaver willingly enough discussed some of the problems that concerned him and others his age. The first problem he named was, "When are we old enough to go steady?" but after some pondering he decided, "that wouldn't be the biggest concern."

He thinks that "money, and getting along with parents and others" worry young people more than affairs of the heart. As for the teenager's attitude toward adult advice, "I don't think we resent it," Deaver said. "We listen to it, but we form our own opinions."

His 4-H Club work has given him opportunities to get good advice, and more important, to practice it. He feels the most valuable 4-H work he has participated in is the electric demonstration. "I learned to speak, and speaking before groups gave me self-confidence." He added, "I've also made some money on other projects, and that's important."

Winning a trip to 4-H Club Week at Raleigh helped make last summer his best one yet. He thought two of the classes there were of particular value. One was called, "Let's Talk Things Over," which presented discussions on managing budgets and meeting and getting along with people. The other was a science demonstration which was popular with all of the delegates.

Living on a 500-acre cotton-corn-small grain farm near Shelby (Route 2), Deaver has a lot that city children miss, and he knows it; it's just a few steps away from the house to a favorite fishing spot, and like any boy he enjoys tinkering with farm equipment. There are five tractors on the farm, and thanks to a 4-H project, he's expert at operating and repairing them. One year he had a beef calf for a project, and last year he had a garden on which he made $50. He adds to his income by working in a brother's grocery store week-ends. Deaver owns

(Continued on Page 31)

Sunbeam

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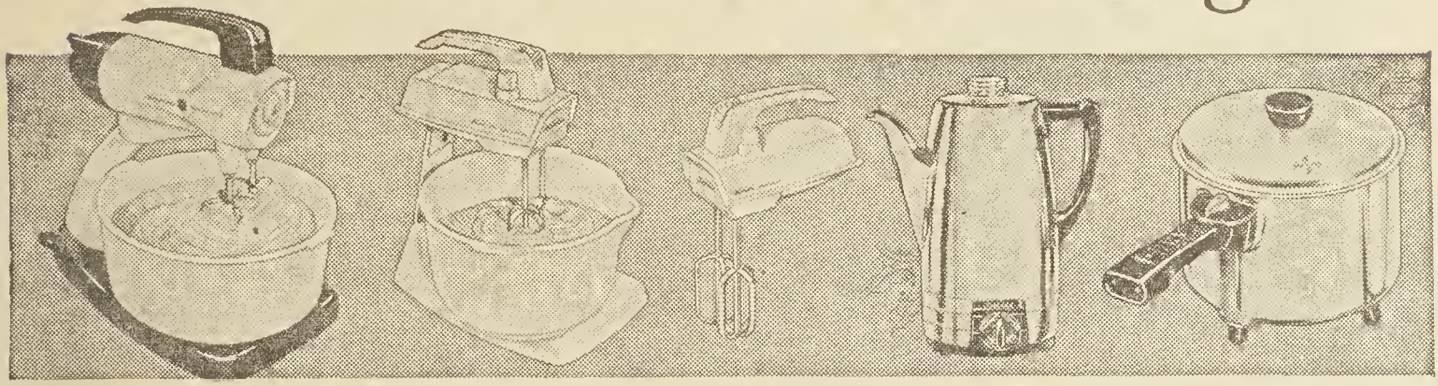
for Better Electrical Living



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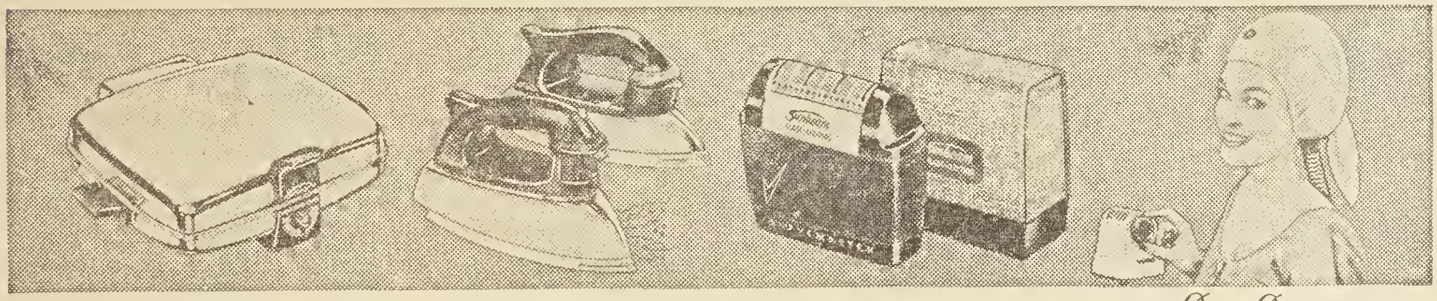

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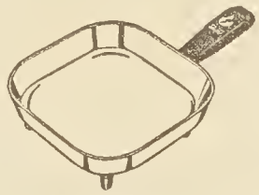
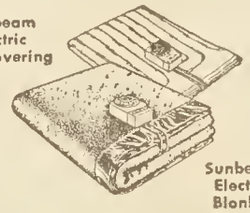


Sunbeam Automatic Frypan

Sunbeam Electric Bed Covering



Sunbeam Electric Blanket

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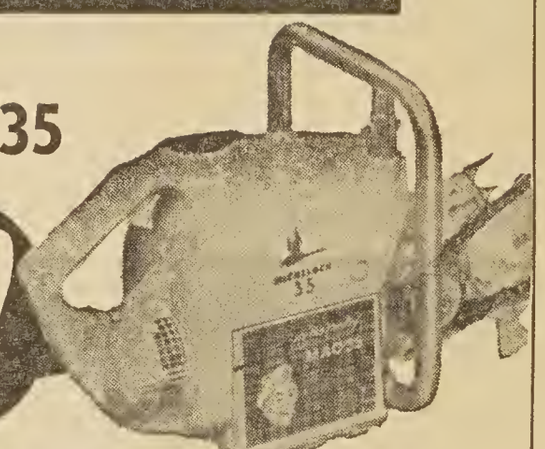

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Get Out of The Woods When You Sell

It has been said many times that the success or failure of a particular enterprise on the farm is often determined by how much the producer knows about the market on which he sells his product.

The problem is no less serious for woodland owners, says John Gilliam, forestry specialist for the N. C. Agricultural Extension Service. "Our biggest forestry problem in the state today is the marketing of timber crops."

Gilliam offers the following suggestion to woodland owners who have timber to sell:

1. Decide whether to sell the stumpage (standing tree), the logs, or other products in the forest, at the roadside or at the shipping point. Keep in mind that the more the owner does himself, the greater the returns.

2. Measure the products to be sold. This can be done with the assistance of a local forester and/or county farm agent. No businessman would sell his products before first knowing their quality or how much he has for sale.

3. Regardless of the sales plan, it is advisable to obtain bids if there is more than one buyer or outlet in the area. Usually it is best to obtain at least three or more bids. Bids can be secured by personal contacts, letters, or advertising.

4. Draw up a sales agreement or contract stating all proposals necessary for a good cutting operation price, logging period, and any special restrictions and penalties needed to protect both buyer and seller.

"During a discussion of the merits of automatic dish-washers last evening, a certain party stated with authority that the burden of washing dishes by hand is greatly over-rated, that approached in the proper mental attitude it could well be a soul-satisfying interlude in the daily routine, promoting self-discipline and providing a deep sense of accomplishment."

In the Opinion *of*

DR. D. W. COLVARD
Dean of Agriculture
N. C. State College

SOUND FARM PROGRAMS CAN KEEP NORTH CAROLINA OUT IN FRONT

Farm income has been maintained at a much higher level in North Carolina since 1950 than in most other parts of the country. Cash receipts from farming, including government payments, in North Carolina reached $1,000,940,000 in 1956 as compared to $822,300,000 in 1950.

In 1951, which was a peak year in most of the United States, this figure for North Carolina was $964,800,000, a figure considerably lower than that for 1956. On the other hand, the United States received only $30,926,000,000 in 1956, a figure considerably below the $33,213,000,000 received in 1951.

Net farm income in North Carolina in 1956 was $613,100,000, considerably above the $570,500,000 in 1950. Net farm income in the United States was $11,600,000,000, considerably below the $13,716,000,000 in 1950.

Why has income held up relatively well in North Carolina? How may we expect the problems we are facing in 1957 to change the picture? While there is no simple answer a few points seem clear.

Two of the reasons North Carolina has fared relatively well are:

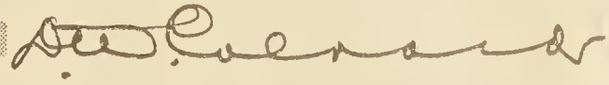
(1) The tobacco program has provided prices that have been relatively higher than for most other commodities. The index price (based on 1910-14) for tobacco in August, 1957 was 380 per cent, as compared to a general agricultural price index of 284 per cent.

(2) Research has pointed the way to new sources of income and to greater yields of crops and livestock. Farmers in North Carolina have been taking advantage of these opportunities. Income from livestock and poultry has increased by almost 400 per cent in the last 15 years. Yields per animal and per acre are up about 80 per cent.

As we finish the year 1957, a troublesome year for many farmers, we see the price of tobacco holding firm but we also see a reduction in poundage that will reduce cash sales by millions of dollars. We have the smallest cotton crop on record. Livestock and poultry income for the state will continue to gain. Yields per acre will drop below last year because of weather.

It is clear, as we look to the future, that sound tobacco and other programs and continued use of new research developments will go a long way toward keeping us in a relatively favorable position. Without vigorous leadership and action we cannot expect to maintain a farm income that is $300 million above other Southeastern states. They are moving ahead fast.

We do have opportunities—may we keep our farm programs sound, even if it hurts—may we continue to develop new sources of income—may we improve our marketing systems to produce quality products, to assemble them in quantities sufficient for the modern markets, and to grade and package to please the consumers. The agriculture of North Carolina has an enviable record in recent years. Many people helped to make the record. Let's keep moving ahead.



This column is designed to bring our readers a responsible opinion on matters of concern to them. It is not necessarily the opinion of the editors on this subject.

INCREASE FARM PROFITS WITH PLANNED IRRIGATION

Here are a few actual results of planned irrigation:

Cotton—Up 3 bales per acre in Alabama
Dairy—Up $99 of milk per acre in Tennessee
Corn—Up 92 bu. per acre in Virginia
Tobacco—Up $347 per acre in Kentucky
Soybeans—Up 14 bu. per acre in Missouri
Wheat—Up 20 bu. per acre in South Dakota

Kaiser Aluminum IRRIGATION TUBING

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At no cost to you, Kaiser Aluminum will gladly see that you are provided with engineering assistance for setting up your sprinkler irrigation system . . . and will show you how to make your system last up to twice as long with Kaiser Aluminum Kladlined* Irrigation Tubing. Write Kaiser Aluminum & Chemical Sales, Inc., Farm Irrigation Service, Merchant Products Dept. 8891, 919 N. Michigan Ave., Chicago 11, Illinois.

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Helping bring you electric power for irrigation—economically—is one of the ways Kaiser Wire helps you Farm Better Electrically.

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AUTOMATIC POULTRY WATER WARMER
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POULTRY TROUGH WARMER
Keep water in shallow trough open at 10°. Made of Line-O-Heat in rust-resistant wire coil. Safe, easy to use: lay in trough, plug in. For 4′-6′ trough, $4.45; 8′-10′ trough, $5.95.

FLOATING STOCK TANK DE-ICER
Safely places 500 watts of heat just below surface to keep water open in sub-zero weather. Thermostat control. $10.95. Without float, warmer automatically will keep 10 gal. of water at about 50° in room at 0°. $9.95.

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From a Cover Girl's Mother

Let me take this means of expressing Mr. Owen's and my own personal appreciation for a job we consider to be well done ("Jane, A Winner," *CF*, September). Jane was delighted!

Friends were just as pleased as we. It has been a pleasant surprise to hear from so many readers of the *Carolina Farmer*.

Lucille H. Owen
Seagrove, Rt. 2

Mrs. Owen's daughter, Jane, was the pretty 4-H lass who graced our September cover. She was the 1957 winner of the girls' 4-H Electric Demonstration Contest, sponsored by Tarheel Electric.—EDITOR.

Misses Us

I would appreciate your changing my address as soon as possible, since my *Carolina Farmer* is not being forwarded to me at my new address—and I miss it.

Mrs. M. N. Caldwell
Carthage, Rt. 1

Please change my address . . . I live at the same place but have new rural mail service — thank goodness. Like REA.

George Miller
Lake Toxaway

—and so do we!—EDITOR.

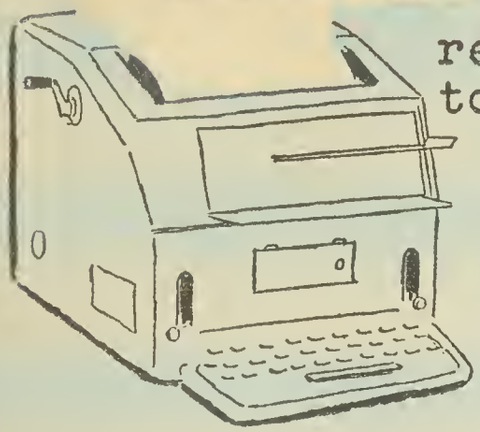
Old Coins

I saw in the *Carolina Farmer*, under "Rural Exchange," an ad asking for old coins. I lost that particular copy and would like to have another. I don't remember the exact date, but remember seeing it sometime between February and August of this year. If you would send me this issue, I would appreciate it, for I have some old coins which I think may be valuable.

Mrs. Grady Eastridge
Lansing

Coin collectors should check the classified section in this issue on page 32.—EDITOR.

BRIEF



reports on events of importance to rural electric co-op members

THE KNOB HILL DISAGREEMENT has ended, it appears, without either party obtaining absolute satisfaction. You recall that last January the City of Rockingham ordered Pee Dee Electric Membership Corporation to pull its lines out of Knob Hill, a recently annnexed subdivision of about 66 homes. Pee Dee had extended service into the thinly populated area several years ago after Carolina Power & Light Company had refused to. Time passed, new homes were built, and Knob Hill asked for admittance into the city in order to get such municipal services as fire and police protection. Rockingham, which has a contract with Carolina Power & Light to serve the city, said Pee Dee must get out. Pee Dee said it had a perfect right to be there, and that it couldn't legally sell its property without majority approval of its 7,000 consumer-members.

The situation rocked along until early August when the Town Board voted to ask CP&L to install street lights in Knob Hill. Mayor Tom Hunter, a local insurance agent, supported the co-op's position that it should be granted a franchise for providing electric service, including street lighting, in Knob Hill. "Pee Dee Electric gave service to the Knob Hill area when Carolina Power & Light wouldn't," the mayor said. "They should not be kicked out. This is a matter I feel very strongly about." The town commissioners didn't go along with the mayor. James Blount, a Rockingham lawyer, made a motion to ask CP&L to serve, and Russell Bennett, an automobile dealer, seconded the motion, which passed.

CP&L started constructing lines for street lights, and Pee Dee obtained an action from the Superior Court restraining further construction pending a hearing. Initially CP&L and Pee Dee were the only parties to the action, but at the time of the hearing the Town of Rockingham petitioned the court to admit it as co-defendants with CP&L, asking that the whole question of who is to serve Knob Hill be decided. Judge J. B. Craven elected to rule only on the action against CP&L. He dissolved the restraining order but continued the proceedings. This meant that CP&L could go ahead with construction, but it faced the possibility of having to remove its facilities later.

Pee Dee decided to get out of court then and there; it asked for and received a non-suit of the proceedings. Co-op Manager Heyward McKinney explained Pee Dee's withdrawal on these grounds: it didn't want to delay street lighting in the Knob Hill area; the Rockingham commission had indicated it had no intention of contracting with Pee Dee; the Co-op risked losing the right to serve the 66 houses in Knob Hill in any subsequent court action; and once CP&L had its street lighting facilities in, it would be difficult to get them out.

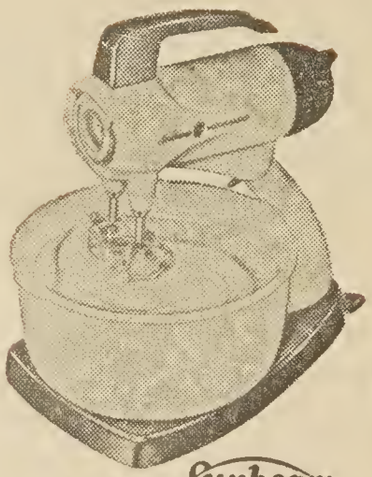
CP&L is now lighting the streets, and Pee Dee is lighting the homes. McKinney says he hopes the episode ends with "all living happily ever after."

LEGISLATION TO REAFFIRM the status of the Rural Electrification Administration as an independent agency of the United States will be introduced early in the second session of the 85th Congress. It's a move to get REA out from under the thumb of Agriculture Secretary Ezra Benson, who has quietly restricted the REA administrator's authority to approve loan applications larger than $500,000.

THE NATIONAL COUNCIL OF CHURCHES at a special conference recently paid tribute to the rural electric cooperatives. They have "forged a new policy of service in rural America," the conference stated in a 12-page document prepared by the council's Department of Church and Economic Life. In the face of a trend toward elimination of competition by big businesses, "cooperatives provide a mechanism for maintaining and protecting the individual's interests, and encouraging his sense of responsibility," the report said.

Sunbeam

THE BEST ELECTRIC

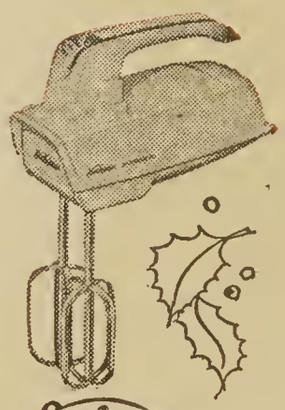


DELUXE Sunbeam MIXMASTER

NEW! 12-speed Mix-Finder Dial. NEW! More Powerful Motor NEW! Modern Design . . . exclusive bowl-fit beaters. In white, chrome, pink, turquoise, and yellow.

Sunbeam MIXMASTER

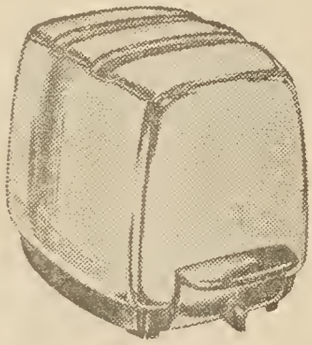
Slips easily off its sturdy stand for use as a powerful, light weight hand mixer. Beater speeds and beater ejector are thumb-tip controlled. Available in white and chrome.



Sunbeam MIXMASTER HAND MIXER

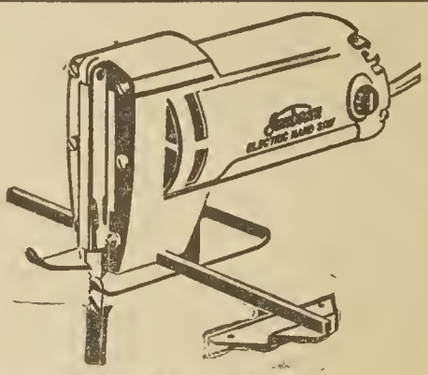
Powerful, lightweight. Beater speeds and beater ejector are thumb-tip controlled. In white, chrome, pink, turquoise, and yellow.

SUNBEAM, MIXMASTER



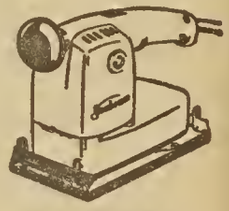
Sunbeam RADIANT CONTROL TOASTER

The only completely automatic toaster! Patented RADIANT CONTROL gives uniform toast whether bread is thick or thin, frozen or fresh, rye or white.



HAND SAW

Ends arm-tiring hand sawing. Rips, cross-cuts, scrolls, hacks, copes, and cuts circles. Cuts 2-inch dressed lumber. Lightweight—easy-to-use.



SANDER

The sander that stood up over 1,000 hours in continuous use. Lightweight. Professional results. Easy-To-change abrasives.

SHAVEMASTER

Now! An entirely new Sunbeam SHAVEMASTER — faster, closer, more comfortable than any other kind of shaver. This marvelous new Sunbeam has the scientifically precision honed head, lightning fast double-action cutter, and a new, faster armature type REAL motor.

SEE THESE Sunbeam DEALERS

AULANDER
W. B. Herring
AHOSKIE
Ahoskie Hdwe. Co.
BEAUFORT
Beaufort Hdwe. Co.
BELHAVEN
W. L. Voliva Hdwe. Co.
BOONE
Farmers' Hdwe. & Supply Co., Inc.
BURGAW & BEULAVILLE
Harrell's Dept. Store, Inc.
BURNSVILLE
Burnsville Furniture & Hdwe. Co.
CANTON
Freel & Robinson Furn. Co.
Sluder Furn. Co.
COLUMBUS
G & K Appl. & TV Co.
CONWAY
Western Auto Associate Store
DAVIDSON
Withers Elec. Co.
DENTON
Max Hill, Inc.
DOBSON
Austin-Blackwelder Furn. Co.
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Ralph E. Parris, Inc.
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Bladen Hdwe. & Furn. Co.
ELKIN
Harris Elect. Co.
Ed Snyder, Inc.
FARMVILLE
Farmville Furn. Co.
FOREST CITY
Farmers Hdwe. Co.
GOLDSBORO
Brown's Radio Sales & Service
Holland Hdwe. Co.
HERTFORD
Hertford Hdwe. & Supply Co.
KINGS MOUNTAIN & CHERRYVILLE
Dellinger's Jewel Shop
LENOIR
Shield's Of Lenoir, Inc.
LEXINGTON
Lanier Hardware
LINCOLNTON
Rhodes Appliance & Furn. Co.
MARSHALL
Home Electric & Furn. Co.
O. C. Rector Hardware Co.
MARS HILL
Mars Hill Hardware
MOCKSVILLE
Farmers Hardware & Supply
Foster's Watch Shop
MOREHEAD CITY
Sound Appliance Co.
MORGANTON
Morganton Hardware

APPLIANCES MADE

Sunbeam

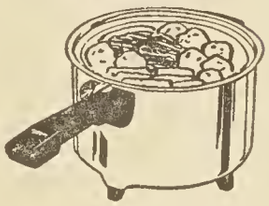
CONTROLLED EVEN HEAT

FRYPAN

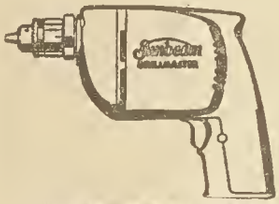
You simply set the dial and get CONTROLLED HEAT for perfect cooking and frying results. No guess work. Marvelous water-sealed element for easy washing. Available in 3 sizes—medium, large, and super size to meet your family needs.

Sunbeam

SAUCEPAN

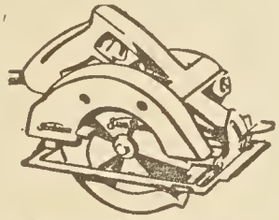


Holds food nutrition and makes foods look and taste better. Accurate thermostat, and double walls for greater efficiency. Available in 3 qt. and 5 qt. sizes.



DRILLMASTER

Drills in all materials. Handles all accessories. Saves time and money! With ¼"



CIRCULAR SAW

6½" blades—cuts 2" dressed lumber at 45°. Lightweight. Better balanced. 1¼ HP Sunbeam Motor.

MT. AIRY
B&O Furniture Co.
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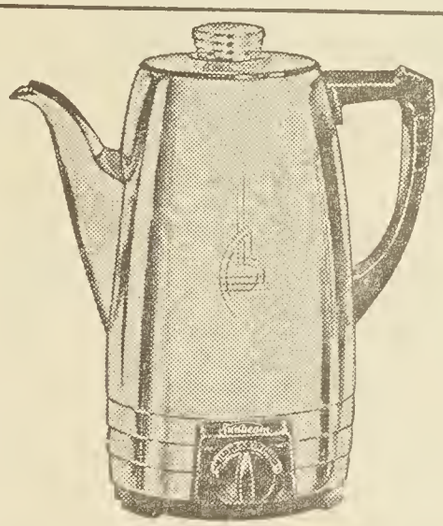
MURFRESSBORO
Murfreesboro Television Center
NEW BERN
Appliance of New Bern, Inc.
NEWPORT
Allen & Bell Hardware Co., Inc.
OXFORD
Oxford Furniture Company
RICH SQUARE
Planters Hardware Co.
ROANOKE RAPIDS
Floyd Appliance Co., Inc.
ROCKY MOUNT
Standard Electric Company
SANFORD
Buchanan's
SCOTLAND NECK
Ashford's, Inc.
SPARTA
Farmer's Hdwe. & Implement Co.
TARBORO
Marrow Pitt Hardware Co.
TAYLORSVILLE
Adams Electric Co.
WAKE FOREST
College Appliance Co.
WALLACE
Wallace Hardware & Machinery Co., Inc.
WASHINGTON
Jowdy Radio Appliance Co.
WAYNESVILLE
Martin Electric Co.
Rogers Electric & Furn. Co.
WENDELL
Todd Electric Co.
WEST JEFFERSON
Dollar Electric Co.

FILL OUT COUPON TODAY!

Drawing will be held December 20, 1957

56 10-CUP AUTOMATIC FREE PERCOLATORS

Every EMC member has an equal chance to own one of these super size SUNBEAM Automatic PERCOLATORS absolutely free. Nothing to buy. You need not be present to win. Just fill out the coupon below. Deposit it at the nearest listed SUNBEAM dealer.



Sunbeam

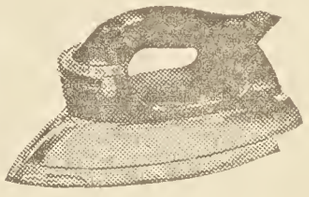
AUTOMATIC PERCOLATOR

Set it for mild or strong—makes the very best coffee—automatically. Keeps coffee serving hot. Solid copper vessel for most efficient heat conduction. Nickel and chrome plated for lasting beauty. Will not corrode.

Sunbeam

IRONMASTER

Lightest iron of this type! And you get faster, steady heat. Easy-to-set Thumb-Tip Heat Control. Super-smooth sole plate. New button nooks speed up job.



Sunbeam

STEAM or DRY IRON

Exclusive "Steam Flow Vents" let you iron on all-over cushion of rolling steam for faster, better ironing than ever before.

LUCKY COUPON

NAME _____

ADDRESS _____ TOWN _____

TELEPHONE NUMBER _____

NOTHING TO BUY

New Gifts for Him
HIGHEST QUALITY
ELECTRIC TOOLS

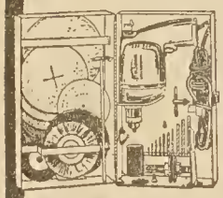
by Sunbeam
THE BEST ELECTRIC APPLIANCES MADE

A SENSATIONAL NEW ELECTRIC HAND SAW

- Cuts 2" dressed lumber.
- Ends arm-aching sawing.
- Rips, crosscuts, cuts circles and scrolls.
- Special blades cut iron, steel, plastics, many other materials.

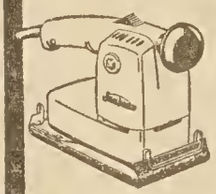
Easy to use! Longer blade stroke cuts faster and smoother.

With rip guide and blade. Only $45.00*

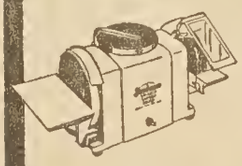


DRILLMASTER DRILL KIT
Highest quality accessories. You can drill, sand, polish, grind, etc. $43.95* & $45.95*

ELECTRIC SAW
1¼ HP motor, 6½" blade cuts 2" dressed lumber easier, faster . . . even 45° bevels. Only $58.95*
With 3-conductor cord, Only $59.95*



SANDER
Light, well balanced for perfect control . . . saves time, gives professional finish. Only $39.50*



GRINDER-SANDER-HONER
3 tools in one! Grind, sand, hone. Powerful Sunbeam motor. Only $49.95*

*Suggested Retail or Fair Trade price. Slightly higher in Canada

Look for the MARK OF QUALITY
Sunbeam
THE BEST ELECTRIC APPLIANCES MADE
Famous for Sunbeam Mixmaster, Shavemaster, etc.
Sunbeam Corp., Dept. REA, Chicago 50, Ill. • Can. Toronto, 18
SUNBEAM CORP. SUNBEAM DRILLMASTER MIXMASTER SHAVEMASTER

FARMING

news and information you can use

A SELF-ASSESSMENT program for the purpose of raising funds to promote the sale of cattle will be voted on by North Carolina cattlemen. The N. C. Cattlemen's Association has been authorized to conduct a referendum which will, if passed by the required two-thirds majority of the cattlemen voting, place an assessment of 10 cents per head on all cattle passing through slaughter houses in the state.

Shelled corn is a better hog feed than ground ear corn containing a supplement. The N. C. Agricultural Experiment Station reports a 1.63 pounds per day gain with shelled corn as compared to a 1.39 pounds gain with ground ear corn. The faster gain actually means a saving of $5.17 in feed costs for a gained weight of 175 pounds from weaning to market time.

STEEP BANK: John Andrews of Boomer Community in Wilkes County successfully seeded a bank "too steep for a billy goat to climb." The bank was seeded with tall fescue, covered with straw, and warped with edging strips from a sawmill. It is now covered with a smooth, well-established evergreen sod—something pretty to look at.

All-weather paved barnyards are a good investment for a dairy. They save manure, cut disease losses, reduce labor, and help to keep udders and teats clean. It's worth considering, too, that visitors to your farm are more apt to consume more dairy products if they remember a clean barnyard rather than one knee-deep in mud.

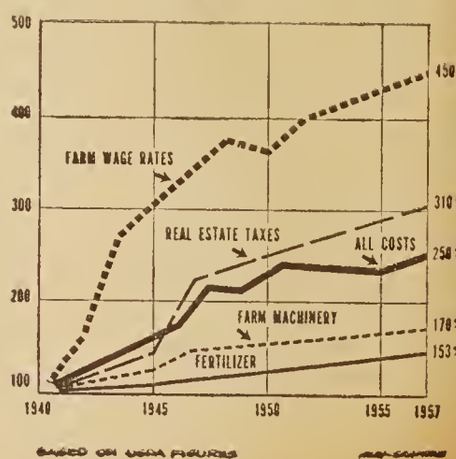
A NEW MUSCADINE grape, called the Dearing, has been developed by State College and U. S. Department of Agriculture horticulturists. The new variety is self-fertile, making it particularly good for back-yard vineyards. It should also be useful as a pollinizer in commercial, one-sex vineyards. Dearing vines will be available at commercial nurseries this fall and winter.

J. A. Worley of Route 1, Cerro Gordo, was mighty pleased when the army worms defoliated his cotton just as the bolls began to open. They saved him money for defoliating materials and trouble in applying them. He wasn't too happy when the worms moved on to his soybeans. Now he wants to know if anybody knows how to "break" army worms!

STRAWBERRY TIME! It's time to place your orders for strawberry plants for fall and spring delivery. Massey and Albritton are the best varieties—don't fool with the everbearing varieties unless you live in the mountains. Another note on berries, keep a close check on your boysenberries. Keep the grass out and the canes straight in bundles. If the canes from different vines are allowed to cross, your temper may be in serious danger when you try to straighten them.

Cabbage worms can do a lot of damage overnight. Delbert Scott of Patetown community in Wayne County noticed some cabbage worms while plowing. He left them until the next day and, by that time, the worms had done a lot of damage. He's dusted four times since then.

FARM COSTS



Tell Them

Write to your senators and representative telling them how you feel about the bills to raise interest charges that you pay to REA. Your senators are W. KERR SCOTT and SAM J. ERVIN, JR.

Scott's and Ervin's address is:
Senate Office Building
Washington, D. C.

The representative from your district is listed below. His address is:
U. S. House of Representatives
Washington, D. C.

REPRESENTATIVES	DISTRICTS
Herbert C. Bonner	1
L. H. Fountain	2
Graham A. Barden	3
Harold D. Cooley	4
Ralph J. Scott	5
Carl T. Durham	6
Alton A. Lennon	7
A. Paul Kitchin	8
Hugh Q. Alexander	9
Charles R. Jonas	10
Basil L. Whitener	11
George A. Shuford	12

If a millionaire Indiana senator and a well-heeled California representative have their way, members of North Carolina's rural electrics may soon be paying more for their electricity.

At President Eisenhower's request, Senator Capehart and Representative Hiestand have introduced legislation which, if enacted by Congress will increase the interest rate on REA loans.

The men the President picked to introduce his legislation are two of the most consistent enemies of rural electrification in Congress, and one of them is among the wealthiest. Capehart has made a fortune manufacturing music boxes. Hiestand is a former executive of a nationwide chain mail order house which does a large business with farmers.

A very real battle—one that will affect the pocketbook of every co-op member in America—will be fought over this legislation early next year. Not only do you, as a cooperative member, have a vital stake in the outcome, the battle will be won or lost depending largely upon what you say to your two senators and 12 representatives between now and next February.

If REA interest rates are raised, the money will come

OUT of YOUR POCKET

By W. T. CRISP

If Congress approves the President's proposal it will have the following effects:

1. Interest on future REA loans will approximately double. The present interest rate, established in 1946, is 2 per cent a year. Under the Capehart-Hiestand bills the rate will be about 4 per cent, maybe more.

2. The co-ops will no longer have a stable, dependable interest rate (which is necessary for wise long-range system financing). REA's present interest rate is set by statute. It cannot be changed without an act of Congress. Under the President's proposal the interest rate would be set periodically by the Secretary of the Treasury. Moreover, the interest rate would be subject to political manipulation by an appointee who serves solely at the will of the political party occupying the White House.

3. Cooperative operating expenses will eventually increase by 10 per cent. During 1956 each member of North Carolina's cooperatives paid, on the average, the sum of about $9 in interest charges on REA loans. This $9 represented an average of 10 per cent of your power bill for the year. Had the Capehart-Hiestand bills been in effect, you would have paid an average of $18 —or 20 per cent of your total power bill—in interest charges alone.

In other words, the President has proposed not only to make your interest rate unstable and subject to political manipulation, but to double the rate and thereby increase your operating costs by 10 per cent.

A careful examination of the co-operatives' financial operations will show that if this Administration-sponsored measure succeeds, a deadly blow will have been struck at the entire rural electrification program. Consider these facts:

- The high-interest-rate policy of this administration has already been at least partially responsible for a 6 per cent increase in the cost of living over the last 16 months. The cost of living has hit rural people harder than any other group; they are the people whose incomes have gone steadily down—and whose costs have gone steadily up—over the past five years.
- Increasing co-op operating expenses by 10 per cent would either defer the time when cooperative power rates could otherwise be reduced, prevent reductions altogether, or, in some cases, cause rates to be increased.
- Increasing co-op operating expenses by 10 per cent will sharply reduce or actually wipe out any operating margins the co-ops would otherwise realize. The principal on REA loans is paid, in the final analysis, out of operating margins. Loan repayments will therefore either be reduced or have to be paid from operating reserves set up for other purposes. In either case, the rate at which co-op members are paying off their indebtedness and building up their own equity ownership of their systems will be slowed down, if not actually halted. And some co-ops will undoubtedly be destroyed outright.

Thus, the present economic facts argue strongly against the President's proposal. But there are other facts—

(Continued on Page 22)

Tips on Winter Tractor Care

A CRACKED RADIATOR or engine black can mean a stiff repair bill.

Freezing temperatures can quickly disable even the sturdiest tractor built unless a few simple maintenance precautions are taken to protect the cooling system. Failure to follow such a procedure can mean a cracked radiator or engine block and expensive repair bills.

For safe, winter operation, farm equipment authorities and cooling system experts recommend:

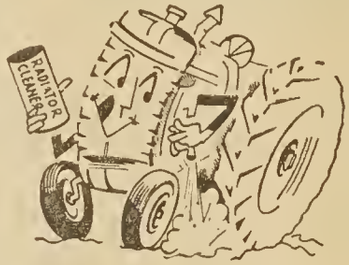
1. Before adding anti-freeze, drain, then flush, the cooling system with a chemical cleaner. This gets rid of accumulated rust-sludge which can clog up narrow engine and radiator passages—causing an overheated motor.

2. Check radiator and hose connections for leaks. Replace worn or cracked hoses and fan belts. When installing new hoses, clean pipe connections, then apply a thin layer of sealing compound.

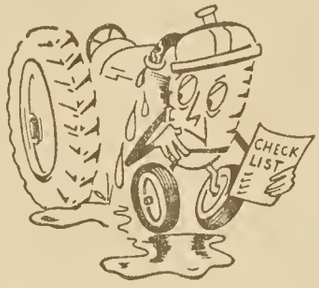
3. Check the thermostat and pressure cap for rust and to see if they are working properly.

4. Clean the leaves, dirt, and insects out of the radiator fins to permit air to circulate freely.

5. When buying anti-freeze, remember that the so-called "permanent" type anti-freeze can be used in any tractor, anywhere, in any climate and altitude. One shot lasts all winter and is good for operating in temperatures even lower than 30 degrees below zero. For average winter operating conditions, however, a standard anti-freeze offers safe, sure protection. It costs less than permanent—and you need less of it. And it won't boil away in modern pressurized cooling systems.



TO PREVENT DAMAGE drain and flush the cooling system with a chemical cleaner.



CHECK RADIATOR and hose connections for leaks. Replace worn or cracked hoses. Check thermostat, fan belt.

6. Install sufficient anti-freeze according to the manufacturer's instructions to obtain the desired degree of protection.

7. Add enough water to fill the cooling system within an inch of the filler neck to allow for expansion.

8. After running the engine for a while, test the anti-freeze solution with a hydrometer to make certain your tractor is protected against freezing to the lowest likely temperature in the area.

Here are a few other tips. Make sure any water-filled tires are properly protected against freezing. Remember, too, that anti-freeze time also is time for an oil change—and for a complete grease job. And don't forget to grease the wheel bearings.

Add anti-freeze after MIXING IT THOROUGHLY with water. Also be sure any water-filled tires are protected against freezing.

AROUND THE HOUSE

Electrical tips to help the home handyman — and woman, too.

By C. L. Overman
Agricultural Engineer

Light bulbs tell their age. Bulbs that are frequently used will gradually darken; a condition that actually reduces the light output of the bulbs as they get older. Bulbs have been known to lose as much as half their light output because of this condition.

Old, darkened bulbs should be retired to a closet, attic, storage room, porch, or some other place where they will be used only occasionally. They should be replaced, in most cases, with a 100-watt bulb. A good point to remember is that a 100-watt bulb will give you as much light as six 25-watt bulbs or two 60-watt bulbs and will cost from 20 to 30 per cent less to operate than either of these combinations.

The thermostat on a portable electric space heater is a money-saver if it is properly adjusted. The thermostat is a means of limiting the heater running time to periods when the room temperature drops below normal. If this thermostat is opened all the way, the heater runs continuously; consequently, the room gets too hot and the heater uses unneeded power.

To adjust the thermostat properly, take your heater into a room you consider comfortable, allow it to warm up, and set the thermostat to operate at that room temperature. (It's a good idea to mark the thermostat dial at that point to save guesswork when you move the heater into a cool room.)

An "arc" occurring in an electric fence controller can be a source of television interference. This arching, usually caused by burned contacts or loose conections, occurs as the contacts "make" and "break" in operation.

To check, unplug the controller. If your trouble stops, check the contacts and connections. Burned contacts can be smoothed with a nail file. Tighten all connections, particularly those on the "ground" wire and rod.

GET GENERAL ELECTRIC'S...
TABLE TOP COOKING APPLIANCES!

Designed for Today's Informal Living!

Now you can enjoy table top cooking with wonderful General Electric Portable Appliances. Everything from soup to dessert can be prepared at precisely the right temperature — *automatically*. Here's an entirely new concept in cooking ease that makes meals more convenient, more flavorful. And in keeping with today's informal living, you can now cook entire meals in the living room, dining room, kitchen, playroom or terrace.

w!

AUTOMATIC SAUCE PANS

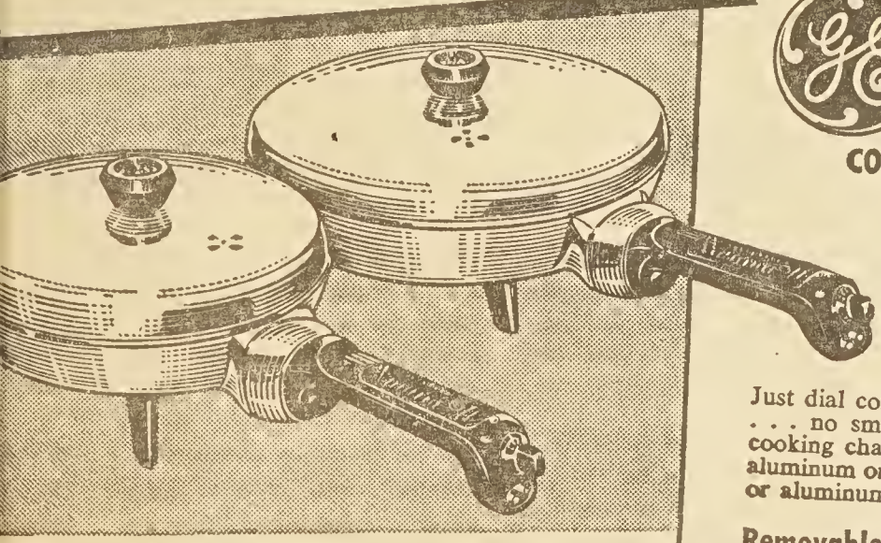
A new concept in controlled heat cooking!

2 qt. size **$19.95** | 4 qt. size **$24.95**

Price includes cover and thermostat.

- Smoother sauces and gravies
- Delicious casseroles and puddings
- Nutritious, tender meats and vegetables
- Fluffy frostings

Just dial correct heat—no burning, no boilovers, no constant watching. Simmers, stews, fries. Choose the model you want — four quart size has convenient helper handle and fry basket.



AUTOMATIC SKILLETS

COOKING'S EASIER... FOOD'S TASTIER!

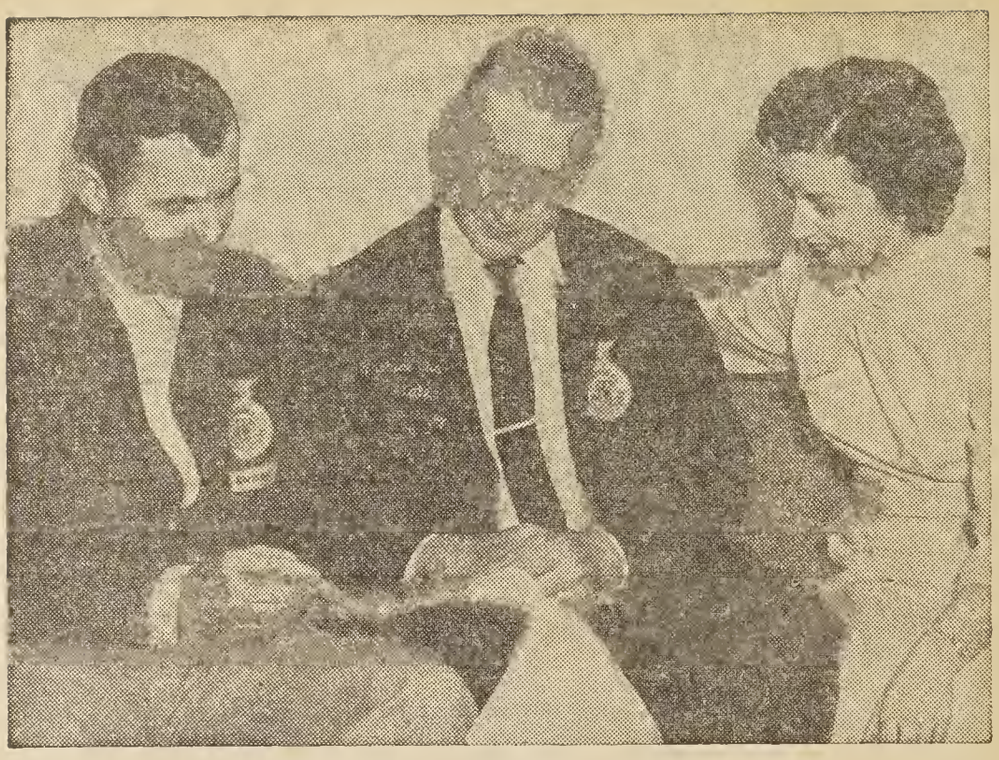
Handy Size **$12.95** | Family Size **$18.95**

*cover extra

Just dial correct heat—no burning . . . no smoking! Has convenient cooking chart on handle. Polished aluminum or turquoise. Coppertone or aluminum covers.

- Fries
- Bakes
- Stews

Removable Thermostat—immerse entire pan in water



STAR FARMER, WIFE, AND ADVISER

Joe Tunnell (left), teacher of agriculture at Perquimans High School, confers with Clarence Chappell, Jr., of Belvidere, the 1957 National Star Farmer of the Future Farmers of America; and Mrs. Chappell.

★ STAR FARMER ★

Clarence C. Chappell, Jr., of Route 1, Belvidere, a 1954 graduate of the Perquimans County High School and an outstanding State FFA leader, is the new National Star Farmer—highest honor conferred by the Future Farmers of America.

Selection of the 21-year-old Future Farmer for the national honor was announced at the 30th annual national FFA convention in Kansas City, Mo.

He is the first North Carolinian to win the honor.

Young Chappell, whose net worth after seven years of FFA projects amounts to $71,961.39, was awarded $1,000 in cash in recognition of his new achievement.

He also received a $125 award as a recipient of the coveted American Farmer Degree, top designation among individual honors in the FFA organization.

In recognition of his national achievement, the Perquimans County youth was invited to make several network TV and radio appearances. One of his appearances will be on the popular "National Farm and Home Hour," conducted on the NBC radio network by the veteran Everett Mitchell.

Further recognition was given to young Chappell when he rode in the lead car in a mammoth parade inaugurating the American Royal Livestock Exposition in Kansas City.

R. J. Peeler of Raleigh, executive secretary of the North Carolina Association of the Future Farmers of America, hailed Chappell's National Star Farmer honor as "a once-in-a-generation achievement."

Peeler continued, "Clarence is the most outstanding farm boy that I have had the privilege of working with during my 30 years in vocational agriculture and the FFA."

Sharing in their son's honor were Mr. and Mrs. Clarence C. Chappell, Sr., of Route 1, Belvidere.

★ ★ ★ ★ ★ ★ ★ ★

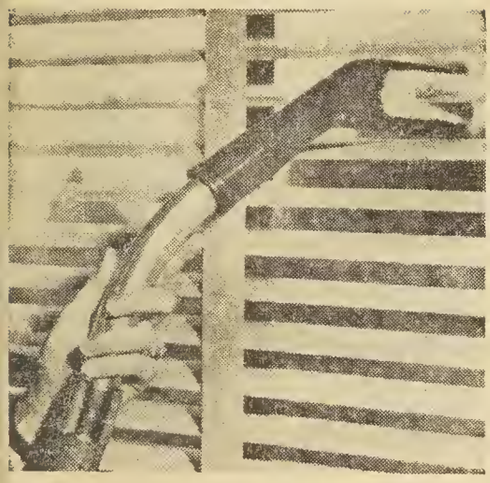
The days of belligerent cows kicking over milk pails are passing quickly from the scene. A dramatic new tranquilizer, Trilafon, is now being used to calm down first-calf heifers who are being milked for the first time.

Although modern milking machines are actually making the ancient milk pail obsolete, dairy farmers have continued to witness the balkiness and fright these young cows experience when first milked. Frequently, the heifers were injured by pulling away from the milking machine; not to mention the bruises and injuries farmers absorbed in restraining the animals. Milking machines are also seriously damaged by the movements of the frightened cows.

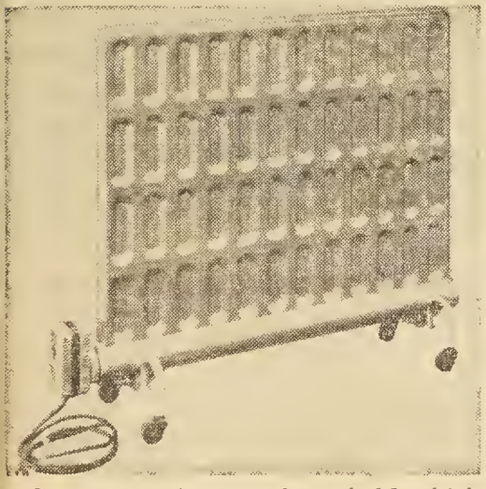
The new tranquilizer has been found effective in calming the heifer, thereby speeding the time it takes to condition her to milking, according to the manufacturer. Dr. J. C. Siegrist, director of veterinary medicine at Schering Corporation, reports that the stress an animal is placed under without the use of tranquilizers is "exceptional. Now, with the use of a tranquilizer, the animal can be brought into the stall and will stand calmly while the dairyman adjusts the milking machine."

In addition to its calming effect on milking cows, Trilafon is beneficial in various operations which were previously difficult to perform when the animal was nervous or frightened, the press agent for the product reports.

IT'S New
It's ELECTRIC



Here's a way to clean Venetian blinds faster and more easily. A new vacuum sweeper attachment, called "V-Vac," cleans both sides of the slats at the same time. The soft, deep pile fabric is made of Dynel and picks up every trace of dust and whisks it down the vacuum hose without scattering. Dusters can be washed without danger of matting. The V-Vac attachment is available from W & W Manufacturing Company, Grandview, Mo. for $3.70.



Got a spot in your household which needs supplementary heating this winter? Perhaps the Skuttle Manufacturing Company has the answer in their new line of portable, electric radiant heaters. These heaters are said to be ideal for home workshops, recreation rooms, nurseries, and other locations needing additional heat. Sizes available in the heaters are 500, 750, and 1,000 watts. These heaters are safe for use even around children. Write the Skuttle Manufacturing Co., Milford, Michigan.

FREE

BIG 2½ Qt. Electric CORN POPPER

Delicious popcorn every time . . . automatically! No stirring, no shaking . . . fast and efficient. Beautiful polished aluminum! Heat-proof knob, legs and handle. UL approved.

. . . WITH PURCHASE OF

FAMOUS

MIRRO
THE FINEST ALUMINUM

AUTOMATIC ELECTRIC 8-CUP PERCOLATOR

Complete with Cord and Guarantee

Special Mail Offer Only . . . **$13.95** Postage, Tax Included!

Completely automatic perk! Makes perfectly flavored coffee, then automatically keeps it drinking hot for hours. Starts perking in 30 seconds, makes 4 to 8 cups. Mirror polished aluminum. UL approved. Guaranteed.

Satisfaction Guaranteed or Money Instantly Refunded!

THIS IS WHAT YOU GET

Electric Corn Popper	$ 5.95
Mirro Percolator	$13.95
Tax & Postage (avg.)	$ 1.00
Total Value	**$20.90**

ALL FOR ONLY **$13.95**

(Taxes & Postage Included!)

MAIL THIS MONEY-SAVING COUPON TODAY!

GOOD WILL MART, INC.
1512 York Road, Ad. Box 920
Gastonia, N. C.

—RUSH ORDER—

Yes! Rush my Mirro Automatic Percolator and FREE Electric Corn Popper. I am enclosing $13.95 which pays for everything including postage and tax! I understand I must be absolutely satisfied or money instantly refunded.

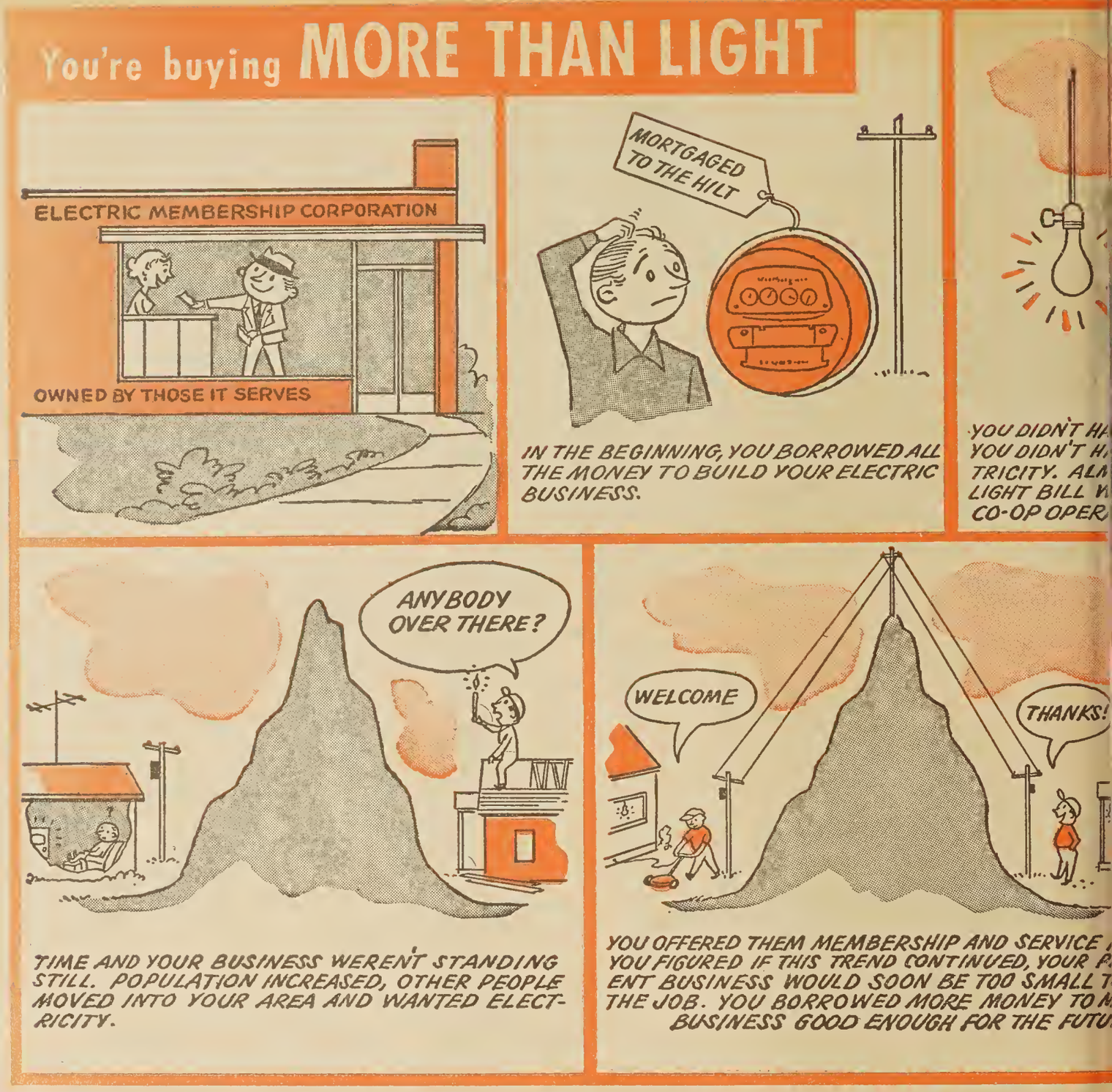
Name .....

Address .....

City .....

☐ Check here if you prefer C.O.D. You pay C.O.D. fee.

— THIS OFFER GOOD ONLY 'TIL DEC. 25, 1957 —


You're buying MORE THAN LIGHT
ELECTRIC MEMBERSHIP CORPORATION
OWNED BY THOSE IT SERVES
MORTGAGED TO THE HILT
IN THE BEGINNING, YOU BORROWED ALL THE MONEY TO BUILD YOUR ELECTRIC BUSINESS.
YOU DIDN'T HA
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TRICITY. ALA
LIGHT BILL W
CO-OP OPER
ANYBODY OVER THERE?
TIME AND YOUR BUSINESS WEREN'T STANDING STILL. POPULATION INCREASED, OTHER PEOPLE MOVED INTO YOUR AREA AND WANTED ELECTRICITY.
WELCOME
THANKS!
YOU OFFERED THEM MEMBERSHIP AND SERVICE
YOU FIGURED IF THIS TREND CONTINUED, YOUR A
ENT BUSINESS WOULD SOON BE TOO SMALL T
THE JOB. YOU BORROWED MORE MONEY TO M
BUSINESS GOOD ENOUGH FOR THE FUTU

By J. C. BROWN JR.

"Most of your co-ops were started 17 years ago, and they're still going back to REA to borrow money," the critic observed correctly. "Aren't you ever going to get the job done?"

If the questioner had been talking about light alone, the answer would have been, "Yes," the job is pretty well done; 97 per cent of North Carolina's farm homes have electricity. But in another sense, the answer is a happy, "No!"

In a healthy economy, healthy utilities never reach the stage where they can say, "The job is done except for replacing worn out equipment." Actually, we are outgrowing our electric businesses before they wear out. This is due to a natural population increase and our desire to own appliances and equipment that will let us do our chores more efficiently. As once we threw away a serviceable wash board and replaced it with a wringer washer, we now trade in the wringer machine on an automatic washer-dryer. In the electronic future we will probably be cleaning our clothes with machines that use sound waves.

We've learned to use electricity for so many things, demand on electric utilities throughout the industry is doubling every six years. On co-op lines, it is doubling every four or five years. In order to double the capacity of your electric business to meet a doubled demand, you must increase your investment in capital, or income-producing, equipment by 50 per cent.

This is a fact of utility life, whether the business is owned by stockholders or cooperatively by the people it serves. It is also true that both of these business organizations get the money for new construction by borrowing it.

Happily, such investments have consistently improved the economic position of the businesses and their

NY NEIGHBORS AND
NY USES FOR ELEC-
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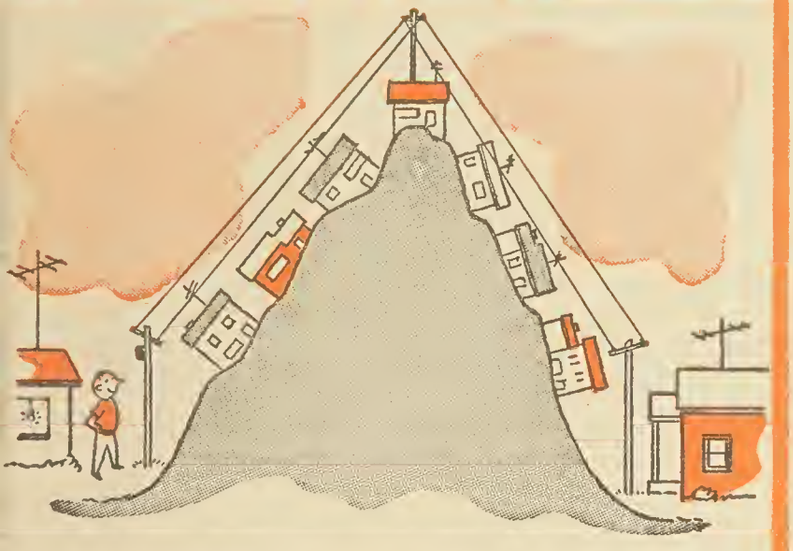
AS TIME PASSED YOU FOUND MANY USES FOR ELECTRICITY, AND YOUR CO-OP BEGAN TO HAVE SOME MONEY LEFT OVER FROM THE BILL YOU PAID--EVEN AFTER PAYING OPERATING EXPENSES.

MUCH OF THIS MONEY WAS USED TO REDUCE YOUR DEBT--TO GIVE YOU "EQUITY" IN THE BUSINESS.



YOUR INVESTMENT WAS A WISE ONE. ELECTRICITY ATTRACTED OTHERS TO YOUR AREA; LIKE YOU, THEY EVENTUALLY LEARNED TO USE IT FOR MANY THINGS.

THE OPERATING COST PER KILOWATT HOUR WENT DOWN AND YOU HAD MORE MONEY WITH WHICH TO REDUCE YOUR DEBT. THIS WAS TRUE BECAUSE YOU WEREN'T AFRAID TO BORROW MONEY TO HAVE YOUR BUSINESS

READY TO DO BUSINESS!

owners. David Hamil, REA administrator, recently reported that last year his agency lent $300 million to the rural electric cooperatives. He commented that the money put the co-ops in better shape to repay their loans than they had ever been in before.

Utility financing is unique in the business world, and the financing of cooperative electric systems (such as yours) is unique within the industry. If the cooperatives are to continue to flourish and meet the growing power needs of their rural owners, it's important that you, as an owner, understand why your cooperative periodically needs to borrow money, and what the effect of the borrowing has been and is likely to be in the future.

Essentially, the effect has been service to more people; increased use of electricity by members; reduction in cost of electricity per kilowatt hour; and a reduction in the percentage of borrowed money, and an increase in the percentage of your money, invested in your co-op.

To understand how you can own more and more of a mortgaged property while periodically borrowing money to invest in it, look at a mythical but typical electric membership corporation—in some respects it is the mathematical average rural electric cooperative in North Carolina. Let's say it is *your* co-op, formed in 1941 by 400 families.

Prior to that time, central station service was available only to a few of the people in your neck of the woods; they were the ones who lived along the main highways and could be served fairly easily. No power company offered area-wide electric service out in the country. Because of this, you and 399 of your neighbors started a cooperative. In adopting the cooperative form of business activity, you agreed to serve yourself and other members with electricity at cost, to

(Continued next page)

The Financial Growth of a Typical North Carolina Co-op

Year	Total No. of Members	Accumulated Debt Capital (REA Loans)	Accumlated Member Capital (Member Fees)	Accumulated Member Capital (Op. Margins)	Accumulated Total Capital (Debt + Member)	Debt % of Total Cap.	Member % of Total Cap.
1941	400	$ 120,000	$ 2,000	—$ 2,000	$ 120,000	100	0
1943	800	300,000	4,000	4,000	308,000	97	3
1945	1,600	800,000	8,000	30,000	838,000	95	5
1947	3,200	1,800,000	16,000	60,000	1,876,000	96	4
1949	4,000	2,400,000	20,000	100,000	2,520,000	95	5
1951	4,200	2,600,000	22,000	150,000	2,777,000	94	6
1953	4,600	2,800,000	23,000	220,000	3,043,000	92	8
1955	4,800	3,000,000	24,000	400,000	3,424,000	88	12
1957	5,000	3,200,000	25,000	550,000	3,775,000	85	15

(Continued from Page 19)

share the costs of building the system equally, and to offer membership and service to all others in your area under equal terms.

That first year, you actually had no *equity* (your money) in the business. While you and your neighbors paid $5 membership fees (or a total of $2,000) to join the co-op, it probably paid for little more than the legal work of setting up the business. The significant part of the investment was made with borrowed money. REA lent you $120,000 with which to build your electric business and operate it until it "got on its feet."

You became an owner-consumer of a 100 per cent debt-financed business, and you were to pay off your mortgage as you paid your electric bill. Everything you have paid over the cost of operating the business has become your equity in it.

This equity was bought with real money—money you spent because you are buying more than light. You are buying yourself a business, and here is one difference between your electric bill and that of a person whose power comes from a commercial utility. He pays an amount in his bill, too, to permit the company to repay borrowed money, but he is helping buy a business for *someone else.*

For the first couple of years after you started the co-op, there wasn't much if anything left after operating expenses, partly because you didn't use much electricity; the longer people have electricity available, the more of it they use; and the more they use (up to the capacity of the system), the more efficient the system.

This is one way of saying that it takes most families a few years to replace the wood stove with an electric one, the open well with an electric pump, the hand with a milking machine, the spring house with a refrigerator. One thing you did do immediately was to wire your house for lights and replace the washtub with a wringer-type washer. As you were able to add other electrical appliances and chore equipment, you used more kilowatt hours of electricity, and your electric business had more money left after paying operating expenses.

Your co-op could then either reduce rates (as many have) or speed up mortgage payments (as most have), or both. Virtually all co-ops credit these marginal revenues to you in proportion to your patronage *(capital credits)*—for eventual return to you when the co-op achieves a financial condition that permits it.

As your electric business got older, you and the other original 399 members became more than "minimum" users, but adhering to the principle of area coverage, you extended membership to families using electricity for the first time; and, just as you did, they passed through a period of minimum use. Extensions to these new members, and equipping the system to meet your own increasing demands for electricity, frequently caused your co-op to borrow more money. In the short run, this reduced the proportion of your equity in the system. In the long run, it increased it.

From the years between 1941 and 1951, most of the money you borrowed went to extend your system. During that time, you increased your debt from the original loan of $120,000 to $2,600,000. By 1951 you had 4,200 members, instead of 400. There were more people to help you share the cost of electric service, and you then owned 6 per cent of your system debt-free; you had paid in $150,000 in excess of operating expenses.

This wasn't very much—just 6 per cent in 10 years. But look what has happened since then! Today there is invested in your electric business a total of $3,775,000, of which 85 per cent is debt capital (borrowed money) and 15 per cent is your money. In the past six years you have increased the percentage of *your* investment in your electric cooperative more rapidly than before, even while borrowing half-a-million dollars.

It happened because, along about 1951, your business completed the biggest, most expensive part of the job of extending lines into new neighborhoods within the system. Your business continued to grow, but to obtain that growth required less investment than before. Most of the increase in your business since 1951 has come from families building homes and businesses along existing lines, and from increased use of power per member.

Every year since it began, your business has been counting a larger percentage of "old" members along the line—members who have passed the infant stage of "minimum use." You have an increasingly larger percentage of heavy uses of electricity.

Added up, these things mean your co-op is getting better and better as time passes.

Many electric cooperatives have recently completed long-range system surveys which show some more borrowing will have to be done to keep up with your foreseeable demands for electric power. To a lesser extent than in the past, you will be asked to invest money (probably borrowed) to serve those few families who still don't have power. And because your cooperative was formed for just that purpose, to provide service on an area —rather than selective, "cream-skimming"—basis, you will extend service to them. The history of the past 17 years shows the necessary investment will in the long run allow you to retire your debt even faster than you are now, reduce your rates, distribute margins, or a combination of all three.

As an owner of a cooperative business, it will be your responsibility to help decide what to do with the additional returns that wise investments in your system most certainly shall bring.

A cartridge warmer in the fountain and heat tape on the pipe will assure these chickens of 50-degree water all winter long.

make MORE money with *warm* WATER

A small investment in water warmers can easily mean $325 more income

WARM your poultry drinking water to 50 degrees this winter and you can expect a higher return from each bird.

The value of warmed drinking water has been known since the winters of 1929 and 1930 when the University of Illinois conducted a series of studies on this subject. An analysis of these cold-weather studies showed that: a flock of chickens watered entirely with cold water had an average production of 80 eggs per hen; a second flock, which received warmed water part of the time, had an average production of 87.8 eggs per hen; and, a third flock, for which water was warmed all winter, had an average production of 95.6 eggs per hen.

On a flock of 500 hens, this increase in egg production would mean an increase in income of $325 at a price of 50 cents per dozen.

Broiler growers, too, report faster weight gains if chicks are supplied with warm water. Chickens do not like ice water in cold weather.

Warmed water for chickens has three distinct advantages. The Illinois studies show that a flock of chickens consumed 25 per cent more water from heated than from unheated waterers installed in the same house. An increase in water consumption will bring about an increase in feed consumption which results in higher production. Warm water also affords a better and faster job of cleaning in cold weather when water makes cold fingers colder.

A second advantage lies in the fact that warm water is always available. Unheated waterers are of little value if frozen over. The chickens must wait for water, sometimes as long as three or four hours, until the poultryman has time to knock the ice loose.

Thirdly, frozen fountains, automatic valves, or pipes mean expensive trouble for the poultryman. One burst spigot can cost more in repairs than both the

(Continued on Page 31)

The Oldest?

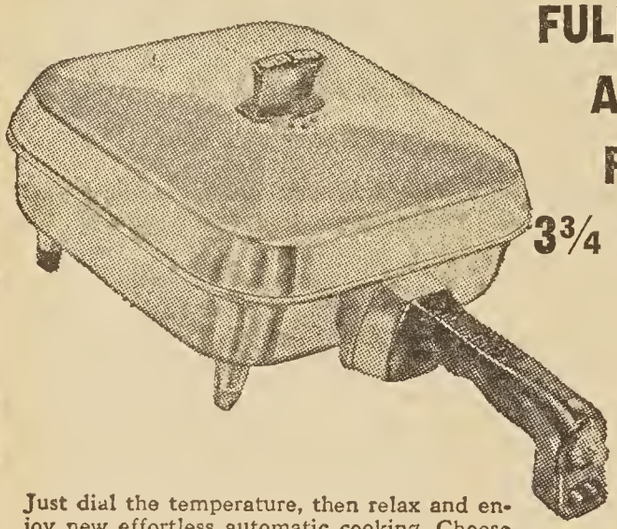
Alice Reid sat there listening, taking in every word the speaker had to say. It was a hot August day but she was keenly interested. This was her third annual meeting since she became a member of Union Electric Co-op three years ago and first received electric power from its lines. Though young as a member, Alice is perhaps the oldest electric co-op member in the state. She celebrated her 100th birthday August 12, 1957, just two days after the annual meeting.

A lot of history has been made while Alice was rearing a family of seven children. She can look back on five wars the United States has fought, several depressions it has survived, and she can look fondly upon 125 grandchildren. She can remember when she struck a match to candles to light her cabin and think of the oil lamps that came later and lasted until that momentous day three years ago when electricity brightened her home. She can look out her window and see a power line that probably never would have existed except that her co-op put it there.

This little woman, living in a home on Route 2, Monroe, has a lot of memories, to be sure. Maybe there are some that she'd like to forget, but there are others that are good, that make her memories happy ones. She is thankful for all she has—electricity, in particular.

For Electric Co-op Members

$22.95 WEST BEND Electric Skillet FOR ONLY $14.98



FULLY AUTOMATIC
A BIG 11"x11"
FAMILY SIZE
3¾ QTS. CAPACITY

COMPLETE
WITH
CORD & COVER

Just dial the temperature, then relax and enjoy new effortless automatic cooking. Choose golden brown chicken, light fluffy pancakes, sizzling bacon and eggs or a tempting roast complete with vegetables. West Bend's Automatic Skillet's deep, square design is ideal for candy and cake making, too. Cooking's really fun . . . with *controlled* heat.

True Balanced Heat Automatic Skillet

$14.98 Postpaid
Price Includes Tax

30 Days Left For You To Save Nearly $8.00. The West Bend Aluminum Company and this well-known North Carolina distributor are making this special electric cooking offer to electric co-op members only. Simply clip, fill out, and mail this coupon with a check or money order for your skillet(s).

(Allow 2 weeks for Delivery)

Electrical Wholesalers, Inc.
911 West North Street
Raleigh, N.C.

West Bend Special

Gentlemen:
Enclosed is my check or money order for ..... (No.) West Bend electric skillet(s) at $14.98 each. I understand this limited offer is available to Electric Co-op Members only and that the price includes the skillet, cover, cord, state sales tax, and will be mailed to me postpaid.

Name .....

Route & Box No. .....

Town .....

Name of my Co-op .....

Out of Your Pocket

(Continued from Page 13)

historical facts—which make an even more conclusive argument.

During 17 out of the 22 years since REA was born, REA interest rates have been substantially higher than the average cost of money to the federal government. Indeed, the Controller General of the United States reported in 1956 that REA had netted an interest income of $54,177,262.

Stated another way, *the United States Government has already earned a profit of over $54 million on the rural electrification program!*

The repayment record of the co-ops surpasses that of any other large finance program, public or private, in the history of this country—and thus probably in the history of the world. David Hamil, REA's administrator in Washington, recently reported that only $105,542 in principal and interest was overdue on REA electric co-op loans. He said this figure represented less than *one-twelfth of one per cent* of all payments owing—on a loan program of some $3 billion!

Moreover, on June 30 of this year the cooperatives had made payments of $108.9 million *ahead of schedule* on their REA notes.

Both the future financial status of the cooperatives and their past record of faithfulness in repaying their loans with a profit to the government make out an overwhelming case against President Eisenhower's interest rate legislation.

What are you, the cooperative member who will have to sustain the financial hardships of a doubled interest rate, going to do about this proposed legislation? The political facts of life indicate a clear answer to that question. The 988 cooperatives throughout America, and more particularly the four million rural families who own and operate them, must clearly and forcefully state their opposition to this proposal—to their Congressional delegations. **And they must do it quickly and in large numbers.**

Hearings on the Capehart-Hiestand bills will begin in January. Congress will act on this legislation sometime in 1958. Since next year is an election year, Congress will adjourn sooner than it did in 1957. In other words, the final count on the President's measure will probably be taken within the next six months.

Mrs. T. C. Baker and daughter Ellen listen to Pee Dee EMC Electrification Advisor Archie Hathcock explain 200-ampere switchbox. (Below) Mr. Baker beside the condensing unit of heat pump which cools and heats house.

wiring an All-Electric House

By CHARLES L. OVERMAN

A Pee Dee Electric Co-op family has built an "All Electric" home. The T. C. Bakers of Route 3, Wadesboro, will do everything, from heating to lighting, with electricity. It's a feat made possible only through the careful planning of a modern and complete wiring system designed to meet present and future electric power requirements. Such a system requires numerous convenience (120-volt) outlets, several special-purpose (240-volt) circuits, and an unusually large switchbox and service cable.

A total of 22 carefully-placed convenience outlets—nine in the living room, three in each of the two bedrooms, one in the bathroom, one in the hall, and five in the kitchen-dining-den area—will supply Mrs. Baker with electric power anywhere in the house. She will be able to use her vacuum cleaner without having to hunt for an outlet or unplug a lamp or the television set. Special-purpose circuits for the built-in oven, the built-in range surface, the water heater, the proposed clothes dryer, and the electric heating system make this home truly "all electric."

An electric heat pump will heat the house in winter and cool it in summer, and do both jobs economically. "We will be able to heat our home for $18, or less, per month. With oil prices on the increase, electricity will supply us with the cheapest heat," according to Baker.

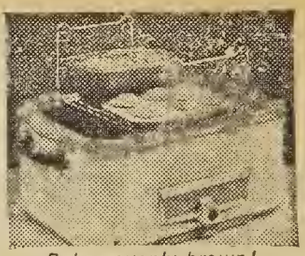
If you have ever walked by the exhaust side of an air conditioner and felt the heat being blown from it, you have some idea as to how a heat pump works. Heat is transferred from one place to another. In the heat pump, heat is transferred from outside to inside for heating. For cooling, the operation is identical to that of an air conditioner, transferring heat from the inside to the outside.

A wiring system that will supply the needs of an "all-electric" home is large and requires a heavy switchbox and service cable. For the convenience outlets, the Bakers installed six circuits, allowing one circuit for every five outlets and one circuit for the freezer and refrigerator. They allowed three circuits for lighting the house. The kitchen, with its major appliances, required four special-purpose circuits, and the heating system called for special wiring.

A 60-ampere switchbox, which most homes have, will not supply the needs of this house. The 60-amp box provides for only one special-purpose circuit and four circuits for all the convenience outlets and lighting. A 100-ampere switchbox comes closer but still does not have the required number of circuit connections to meet the Baker's needs. The Bakers saw that a 200-ampere switchbox and service cable would do the job at hand and allow them to expand later (they intend to add another bedroom).

Baker also had to think about the water pump housed in the backyard and the woodworking shop he plans to build. He decided to centralize his electric service by putting his meter on a pole in the area between the buildings and pulling separate service wires to each building. Centralization will mean more efficient usage of electricity in all these buildings and, should any one of them catch fire, the water pump will not be cut off.

A 200-ampere electric service with its accompanying switchbox and wiring system will allow the Bakers to enjoy the safe use of electricity for years to come. They'll have plenty of electric power available wherever and whenever it's needed.


Bakes evenly brown!

Cooks complete meals!

Cooks and serves quantity foods!

Washes in the sink!

Broils, fries, toasts, grills
(Broiler-Grid, optional, $9.95)

COOKS EVERYTHING...PLUGS IN ANYWHERE!

Westinghouse Portable Roaster-Oven prepares foods for 5, 15 or 50

Here's the economical way to extra oven capacity for the holidays, at harvest and canning time. And cook with clean, cool *controlled* heat . . . plus special advantages you can't get any other way. It's self-basting—cooks meats tastier and reduces shrinkage. Use it for things that spatter, it's so much easier than your range oven to clean. Plug it in anywhere, uses regular house current, for oven cooking at table height.

Your dealer has the Roaster-Oven in Frosting Pink, Lemon Yellow, Mint Aqua and Sugar White. $44.95. Broiler-Grid, Timer Clock, Cabinet (optional accessories) slightly extra. *A Westinghouse Roaster-Oven helps you to live better electrically!*

YOU CAN BE SURE...IF IT'S **Westinghouse**

ELECTRIC CO-OP MEMBERS

SEE THESE Westinghouse DEALERS

For Easy ROASTER-OVEN Cooking

ASHEBORO
- Asheboro Elec. Co.
- C. W. Henley Co.
- Town & Country Furn. Co.

AURORA
- Dough Radio & TV Co.

AUTRYVILLE
- Spells Radio Repair

BAILEY
- W. H. Former & Brothers

BEAUFORT
- Beaufort Hardware Co.
- Hamilton Furniture Co.

BEULAVILLE
- Brown & Miller

BELHAVEN
- Lotham Seed & Equipment Campany
- Riddick & Windley
- Western Auto Stores

BENSON
- Parish Electric Store

BISCOE
- Biscoe Rodio & Electric

BOONEVILLE
- T. L. Hayes Co.

BROADWAY
- Broadway Applionce Co.

BURGAW
- Burgaw Electric Co.

CAMERON
- M. W. Horbour

CANDOR
- Condar Radio & Elec. Shop

CLAYTON
- Claytan Supply Co.

CLINTON
- City Appliance Co.

CREEDMORE
- J. L. Rogers

DENTON
- Gorner Elec. Co.
- Rex Furniture Co.

DUNN
- Quinn's of Dunn, Inc.

EIZABETHTOWN
- Clark-Jessup Hdwe. Co.

ELKIN
- Costevens Hdwe. Co.
- Home Furn. Co.

ELLERBE
- C. S. Bostick
- Gibson Furniture Co.

FAISON
- McColman & Bell

FARMVILLE
- The Turnage Company

FAYETTEVILLE
- Capital of Fayetteville, Inc.
- Dugan's TV Sales
- Kimbrell's Furniture Co.

FUQUAY SPRINGS
- Cotton's Furniture Co.

GARLAND
- J. J. Stofford

GOLDSBORO
- Farmers Supply Co.
- George A. Parker

GOLDSTON
- Miller Furniture Co.

GREENVILLE
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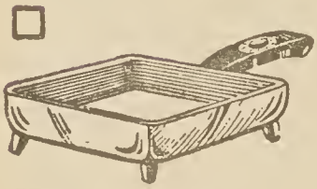
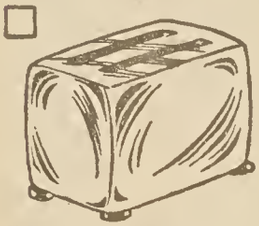




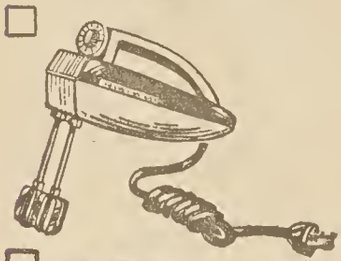


Table-Top Appliances

Carolina Farmer staff members have always been sold on those miraculous, time-saving "table top" appliances; but young homemakers (or engaged lassies who will soon *be* young homemakers) who have entered the *Farmer's* Small Appliance Contest (and the winner is a secret until December) have firmly convinced us that portable appliances are just about the nicest thing that's happened to women in the last few years.

Contestants took an imaginary $100 and spent it on small appliances. The rules required that each contesting couple (and the contest was limited to recently-married and engaged couples) give good reasons for spending the imaginary dollars as they did. The winning couple will receive the appliances they selected in their "dream shopping."

In case you're planning to ask Santa to slip a small appliance into your Christmas stocking, maybe you'd like to hear about some of the contestants' selections—and their reasons.

Rating high on the ladies' shopping list was the electric coffeemaker.

REASONS: "So I can have hot coffee right on the table at all times."

"Because it perks coffee so quickly, and controls allow you to keep coffee hot throughout a meal."

"Because coffee is better to me when it's made in an electric coffee maker, and I believe it will cut my coffee bill."

"I want an automatic coffee maker because I can set the controls and go off and forget it."

"I want an electric coffee maker because I can make better coffee, which will please my husband."

"How wonderful it would be to have a coffee pot which wouldn't boil over on the stove every morning!"

This contest convinced us, too, that Carolina homemakers have a great yen these days to own an electric skillet.

REASONS: "Because my mother has taught me how to cook more than one thing at a time in an electric skillet, and the controlled heat makes using the skillet easier. Too, it's faster, and since I'm expecting a baby, an electric skillet would allow me to cook faster, and leave more time for the baby when it comes."

"I would like an electric skillet so I can fry, deep fry, pan broil, grill, braise, make stew, and warm food for my family."

"Because there's no danger of burning food in the electric skillet."

"The electric skillet cooks better, and it doesn't heat the kitchen when the weather is hot."

"Chicken fried in the electric skillet is so much better, and the skillet is easier to clean—it doesn't black or smoke as ordinary pans do."

And young homemakers who didn't receive toasters among their wedding gifts went heavily for this small appliance.

REASONS: "I want an electric toaster so I can make toast in the morning without heating the oven in my electric stove."

"Because it's so easy to handle, convenient to use. You can make toast in half a minute, and it doesn't take any longer to clean it."

The Carolina Homemaker

EDITED BY REBEKAH RIVERS

"Because I'm a very young bride and haven't yet learned to cook very good biscuits—and it's too expensive to buy the canned ones."

"Because you can dial the exact browning you want—and cook toast to everybody's liking. And you won't burn your fingers on a pop-up toaster. I would like a toaster with a crumb tray that can be removed for cleaning."

"Because I've always wanted an electric toaster."

"Because golden browned toast is my favorite—and an electric toaster browns it just perfect. And this is so much easier than making bread!"

"Because my husband has a bad stomach and must eat lots of toast."

And the electric mixer also rated high on milday's shopping list.

REASONS: "Because they're so handy when you have lots of baking to do for your family."

"I want an electric mixer because I like to make cakes. Too, the mixer is wonderful for whipping cream and potatoes."

"Because they prevent splashing when mixing, and most of them have several speeds."

"Because I love to make fancy desserts, and a mixer would cut out so much of the work, and leave me time for hobbies."

"My husband is studying to be a minister, so I help out in lots of church dinners and bazaars. A mixer would help so much in making cakes for these affairs."

"Because it whips things so much fluffier and makes your cake batter so much smoother."

"Because I think it's one of the best appliances a kitchen can have. It saves so much time and energy."

Coming in for their fair share of attention in the contest were also the electric sauce pan, the roaster oven, the waffle baker, sandwich grill, and the electric deep fryer . . . and on and on . . . and all the ladies had wonderful reasons, which, we're sure will present the judges with a terrible problem in picking the winners.

Though the contest is over, we'd like to know what your dream "table top" appliance is. Why don't you write us and tell us about the favorite small appliance in your kitchen and the one you're planning to buy (or ask Santa to bring you).

A Harvest of Holiday Goodies

Basic cookie and candy recipes to delight both young and old holiday guests — easy enough for the youngsters to make.

THE "sweets and goodies" time has rolled around again, as Thanksgiving is right with us and Christmas is peeping out from the next page of the '57 calendar.

The children (as well as the grown-ups) demand that their sweet teeth be satisfied, and the homemaker is kept in a scurry, replenishing the candy and cookie jars bared by holiday appetites.

To help you on your merry holiday way, here's a couple of basic cookie and candy recipes, which are so simple you can turn the kiddies loose with them. We also offer a few variations—but you can think of millions of additional ones, we're sure, which will make your family's holiday a special treat.

NO COOK FONDANT

1/3 cup soft butter or margarine
1/3 cup light corn syrup
½ teaspoon salt
1 teaspoon vanilla extract
4½ cups (1 pound) sifted confectioners' sugar

Blend butter, light corn syrup, salt and vanilla in large mixing bowl. Add sifted confectioners' sugar all at once. Mix all together—first, with a spoon; then with hands, knead dry ingredients. Turn onto board and continue kneading until mixture is well blended and smooth. Makes about 1-1/3 pounds. Store in cool place.

Variations: With this mixture, you can mold churches and houses for decorations. You can tint and flavor to taste, and make mint or lemon patties. Or try these variations:

Moca Logs: Add 2 teaspoons instant coffee. Shape into rolls about ½ inch in diameter and 2 inches long. Roll in chocolate chips.

Nut Creams: Shape fondant into balls about ½ inch in size. Press between 2 walnut or pecan halves.

Stuffed Dates: Mix about ½ teaspoon vanilla with about ¼ of the Fondant. Shape into balls about 1 inch in diameter. Roll in vari-colored candy decorations.

BASIC REFRIGERATOR COOKIES

3 cups sifted flour
¼ teaspoon salt
¼ teaspoon baking soda
1 cup butter or margarine
2/3 cup sugar, brown or granulate
1/3 cup dark corn syrup
1 egg beaten
1 cup shredded cocoanut or nuts chopped
1 teaspoon vanilla

Mix and sift together flour, salt and baking soda. Cream butter until soft. Add corn syrup and sugar, and beat until thoroughly blended. Add eggs; blend well. Add cocoanut or nuts and vanilla. Add sifted dry ingredients; mix thoroughly. Chill dough about 1 hour. Shape into 2 rolls about 2 inches in diameter. Wrap in waxed paper and chill in refrigerator at least 4 hours or overnight. With a very sharp knife, cut in thin slices (⅛ inches). Place on ungreased cooky sheet. Bake in hot oven (400 F.) 8 to 10 minutes. Makes about 5 dozen.

Ideas for stuffing the Club Piggy Bank

It's an old fashioned male, indeed, who still thinks that money-making should be left to the men, for every year, when organized women's groups get together to work on new fund-raising ideas, they come up with "bigger and better" projects.

If your women's group is trying to make money this fall for a community recreation center, a PTA project, or a church kitchen, you might try some of these ideas:

GET YOUNG GIRLS (OR BOYS) to sell sandwiches at a high school football or basketball game. Club members can keep them supplied with the sandwiches, which could be donated by these members. Thus, the profit is beautifully clear.

TO RAISE A SMALL AMOUNT OF MONEY, have each club member give a penny for each pound of her weight—or a dime for each inch of her waist measurement.

IF YOU LIVE NEAR a town with a large supermarket ask them to let you have a doll clothing concession during the Christmas shopping period. Clothing could be made by club members—and most stores are happy to cooperate in charity drives. Or you could substitute fancy aprons for the doll dresses—but, in any event, there's a good market for both during the Christmas season.

RUMMAGE SALES are always good money makers, and, here again, the profit is clear. These sales are fairly easy to handle in small rural communities.

AND HAS YOUR CLUB THOUGHT of a party service for club meetings, etc.? Lots of clubs in rural communities have, for example, done well financially by taking over the junior-senior banquet at local high schools.

YOUR CHURCH OR HOME DEMONSTRATION Club may have already used the cook book method of money-making. If not, you might give it a try.

Cooking for a Crowd

If you're a shiny new chairman of a fund-raising meal—inexperienced but willing—you'll do well to draw from the font of knowledge offered by veteran money-making-dinner-givers in your community.

The first thing they'll tell you is a cardinal rule: To serve a really successful meal to a crowd, one must be practical to a fine point and organized like an army. There can be no by-guess and by-gosh operations or last minute planning—if you want your dinner to be successful and your own sanity preserved.

Here are a few questions these veteran dinner-givers will ask you, when you go to them for aid:

WHAT WILL YOU SERVE? Dessert, tea, sandwiches and salads—or will it be a complete meal? Breakfast, lunch, or dinner?

HOW WILL YOU SERVE IT? Buffet, picnic, cafeteria, family style, or individual service? The first three are, of course, easiest. However, if you particularly want to serve a sit-down meal, draft high school home classes or 4-H'ers to serve for you. Often this will give them credit on some project in their own line of study.

HOW WILL YOU COOK IT? Do you have a church or community center kitchen? Or will you have to dole out chores to your club members? The answer to this question will have a great deal to do with your menu and the manner in which the meal will be served.

Now, after these questions have been answered, roll up your sleeves and start organizing. You, as the chairman, will do the supervising—and be ready to pitch in and work in any place you're needed.

Appoint a good *Theme and Decoration Committee.* Pretty decorations can lift your dinner out of the ordinary.

Your *Publicity Committee* will be very important. Let the public know about your dinner—so you can make a lot of money. Put posters in grocery stores, filling stations. Have the dinner announced at church and club meetings.

Entertainment should be light—and fun. Use some of your young talent in the community.

Check List for Fund Raisers

Here are a few pointers for your clubs to keep in mind for fund-raising campaigns:

- Keep a catalog of the talents of each member. Then, when fund-raising time rolls around, match jobs to talents. (Example: Mrs. Jones is very talented in flower arrangements, consequently, she will be valuable on a decoration committee for a dinner or harvest carnival.)
- *When a club money-making project involves food, the club should check to make sure there are facilities for clean-up crew.*
- Whatever the event for fund raising, schedule it well in advance to be sure that it doesn't conflict with some other event in the community. Start planning six months ahead.
- *Put all your plans in writing as you go along. Then, following the affair, go over these plans, criticize them, and make suggestions for improving next year's activities.*
- If your club raises money through meals, keep a good file of quantity recipes for use at all times.
- *After your project is over, don't forget a generous thank you to everybody who has had a hand in the event. Notes are nice gestures, and make your helpers want to participate in future events.*

WE HATE to be jumping the gun on Santa (though one can already hear his reindeer in the distance), but we've so many Christmas ideas we want to share with you that they just wouldn't all fit into our December issue (when the Homemaking pages will be entirely devoted to Christmas). Therefore, we had to slip one idea into this issue. And we're sure that a look at the charming Sugar Cooky Trees above will make you glad we did!

Want to know how to make them? All right, get out your mixing bowls and begin your Christmas baking:

SUGAR COOKY TREES
(2 trees, 8 inches tall)

½ cup shortening
1 cup sugar
1 egg
1/3 cup milk
1 teaspoon vanilla
2¾ cups sifted enriched flour
½ teaspoon cream of tartar
½ teaspoon soda
¼ teaspoon salt

Blend shortening, sugar, egg, milk and vanilla. Gradually stir in the combined dry ingredients. Roll out dough ⅛ inch thick on a flour board and cut into star shapes. The stars should range in size from 5½ to 6 inches in width at the base to 1¾ inches in width at the top. If graduated cooky cutters are not available, cut star shapes from cardboard; place the cardboard stars on the dough and cut around them with a sharp knife. In addition to the stars, cut from the dough as many round cookies as stars—each 1¼ inches in diameter. Place stars and rounds on cooky sheets and with an unsharpened pencil press a round hold in center of each. Sprinkle the cookies with granulated sugar and bake at 400 F. for 5 to 7 minutes.

Remove cookies from baking sheets to cake racks to cool, then decorate the point of each star with a silver candy shot stuck into place with a paste made of unbeaten egg white and about 1½ cups confectioners' sugar. Insert one end of a long pencil in a square of modelling clay and arrange the cookies on the rod, alternating star cookies with small round cookies. Arrange cooky trees on table or mantle and surround with Christmas greens. Insert a small candle in the hole in top star cooky.

Over The Lines

with Becky

A Milk Filter Doll Dress . . . .

LAST MONTH I suggested that rural electric homemakers might like to share ideas for making inexpensive Christmas gifts. Mrs. L. Ray Smith of Trinity caught my suggestion ball and threw it back to me in the form of directions for making a charming doll dress from milk filters. She even sent along a sample. Mrs. Ray suggests that you make this dress for a tiny doll with movable arms and legs—and tells us that such dolls can be purchased inexpensively at five-and-ten cent stores and departments stores.

DIRECTIONS: Fold in half 16 6½-inch gauze-faced filter disks. Cut and fold again. With a needle and heavy sewing thread (18 inches long) run through the outside corners with an over-stitch. Make stitches about ¼ inches deep. (This can be called the top side or waist line.)

Then fold 32 filters in half and tack the bottom corners of the small folded ones (with ¼ inch stitches) on the folded line to the larger pieces. Use doubled crochet thread or wool. Tie in hard knots, leaving end about 1 inch long. For making tacks on the large folded piece, it's easier to cut a paper pattern the same size and fold in half—then fold again in half. Run thread through 3 or 4 at one time, being careful to tie knots so thread won't slip. Start in center, tie one folded filter together, then, half-way from both ends, pick up a side of each filter. Continue, leaving the last two tacks on single sides open until the dress is put on the doll.

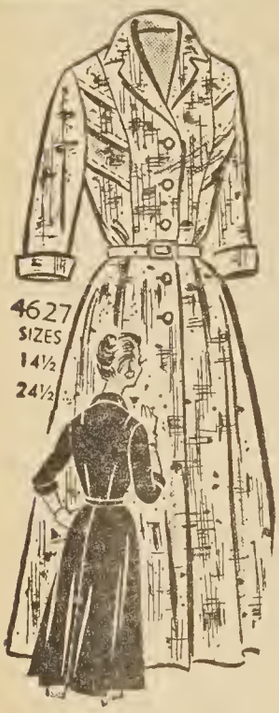
HAT: Fold a filter and cut away ½ inch on the sides. Cut one end straight, the other pointed. Take a long, doubled thread, start at the straight end on the fold and whip around the hat, about ½ inch from edge.

For the crown, run a single thread stitch close to thread on the neck edge. Run thread 1 to 2 inches to the point. Pull this thread to fit back of head. Adjust and tie. To tie securely on head, tie a knot and run thread from the outside of the side and around the neck to other side.

For the body, use strip cut in half (from the hat), machine stitch to bias fold tape (close to edge). Place straps across shoulders and cross at waist, stitching to hold in place wherever needed (around legs, etc.). Tie the skirt around the waist, fasten with needle and thread to the straps to hold in place. Adjust skirt evenly. Spread skirt to use on bed or stand doll on pint jar for decoration.

Fall Fashions

4608. Lovely princess silhouette is pure flattery for your figure. Easiest sewing with our Printed Pattern. Misses' Sizes 12-20; 40. Size 16 takes 5½ yards 39-inch fabric.



4627. Slimming half-size fashion with diagonal tucks, step-in styling; three sleeve versions. Printed Pattern in Sizes 14½-24½. Size 16½ takes 4½ yards 39-inch fabric.

4515. Teens, here's a versatile little fashion to wear as dress or as jumper with blouse. Printed Pattern in Teen Sizes 10-16. Size 12 jumper takes 1⅝ yards 39-inch.

9101. Juniors, here's fashion's newest slimjim jumper with no waist seam. Easiest sewing with our Printed Pattern. Blouse is simple, too. Junior Miss Sizes 9-17. Size 13 jumper takes 1⅝ yards 45-inch fabric; blouse 1¾ yards 39-inc.

4762. ONE YARD 54-inch fabric is all you need for each of these smart fashions —blouse, jerkin and skirt. Printed Pattern in Misses' Sizes 10-18. Same yardage required for all given sizes.

NEEDLECRAFT PATTERNS

7098. For an unusual Christmas gift, crochet this graceful planter to fill with artificial blossoms. It's a winter flower garden to hang on a wall. Directions for 15 x 10-inch planter in heavy jiffy cotton or 3 strands of string. *7032.* Christmas delight for the kiddies—4 little animals stuffed plump with foam rubber. Easy to make —each just TWO pieces, plus ears and tail. Transfer, directions.

Send THIRTY-FIVE CENTS (in coins, no stamps) for each DRESS pattern to Carolina Farmer, P. O. Box 42, Old Chelsea Station, New York 11, New York. Add 25c for Fall-Winter fashion book. Send TWENTY-FIVE CENTS (in coins) for each NEEDLECRAFT pattern (at left) to: Carolina Farmer, 243, Needlecraft Service, P. O. Box 162, Old Chelsea Station, New York 11, New York. Add 25c for first-class mailing. Send additional 25c for Needlework Catalogue.

Warm Water

(Continued from Page 21)

purchase and operation of warming equipment that would have protected it.

There are two general types of water warming equipment—cartridge heaters and heat tape or wire. Cartridge warmers are immersed in water and are recommended for bucket or pan-type fountains; heat tape will do the warming job in trough waterers or in pipes. Both types can be more economically operated if controlled by a thermostat.

Warming equipment should bear the Underwriters' Laboratories seal of approval and should be selected according to waterer size and poultry house temperature.

If you have a question concerning the planning and installation of a poultry water warming system for your poultry house(s), write to Agricultural Engineer, Carolina Farmer, Box 1699, Raleigh, N. C. Be sure to include the number and size of your waterers and the lowest house temperature you expect this winter. For wiring recommendations, indicate the length and size of wire in your circuits and the amount of electrical load already made on the basis of the information you supply.

Why He Worries?

(Continued from Page 4)

a car, and he lives on a paved road, so when he gets a hankering to go to town, his only problem is money and his parents' permission. He has six brothers and five sisters, and his father helped all of the boys buy cars when they were old enough to drive.

One of Deaver's current projects is to practice what he preaches on his farm. His electric demonstration presented a sound argument for locating the meter on a pole close to the heaviest loads, rather than on the house or another building; when the meter is on a pole, electricity isn't knocked out all over the farm in case of fire, and one can usually get a better rate from such a meter installation. The Allen's meter is on the house, but Deaver has just about talked his father into moving it.

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2. The owner is Tarheel Electric Membership Association, Inc., Suite 914 First Citizens Bank Building, Raleigh, N. C.

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Sworn to and subscribed before me this 3rd day of October, 1957.

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• WANT TO BUY

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THIS MONTH

THE CAROLINA FARMER REACHES 135,000

RURAL FAMILIES IN NORTH CAROLINA

UNDECIDED

A busy executive had a bad case of nerves and ulcers, traceable to the strain of constantly making decisions. Things finally reached a stage where he couldn't make up his mind on even the simplest matters—he didn't know whether he wanted cream in his coffee; he couldn't decide whether to drive his car or take a taxi; he couldn't decide which suit to wear.

He was sent to a rest home, where he seemed to make some improvement. After about six months a doctor told the patient he seemed to be getting back to normal. "Don't you feel," he suggested, "that you can now take your place in the world and make decisions?"

The executive brightened at the prospect, struck a thoughtful pose, and answered, "Well, yes and no."

* * *

OUT-OF-TOWNER

A fellow at the Milwaukee Stadium did not remove his hat at a reeent ball game when the fans stood to sing the national anthem.

A lady in the next seat asked him why he had not done so. The gentleman seemed surprised that she asked. "Why, I'm not from Milwaukee," he explained.

* * *

DANGEROUS

A speaker was talking to a group of teen-agers about the Old West. He remarked that Billy the Kid had killed 21 men by the time he was 21 years old. "Good heavens!" exclaimed one of his listeners. "What kind of a car did he drive?"

"Anyone can find fault."

NEW

One woman to another in doctor's waiting room: "I have a disease that's only been out a few months."

* * *

FRIEND

Forced to be a witness against a friend charged with larceny but unwilling to call his friend a thief, Old Jake said:

"I wouldn't say he's an out-and-out thief, but if I wuz a chicken and I saw him loafin' around, I'd sure roost high."

HENPECKED

During the selection of a jury the following conversation occurred:

"You are a property holder?"

"Yes, your honor."

"Married or single?"

"I have been married five years, your honor."

"Have you formed or expressed an opinion?"

"Not in five years, your honor."

* * *

SUPER SALES TALK

Customer: "Has this dog a good pedigree?"

Salesman: "Has he? Say, if that dog could talk, he wouldn't speak to either of us."

* * *

COMIC READER

A man was visiting his neighbor. They were talking when the dog came in and asked if anyone had seen the evening paper. He was handed the paper and left.

The friend was astonished. "That's remarkable! A dog that reads!"

"Oh, don't let him fool you," answered the neighbor, "he only looks at the comics."

* * *

VALUE OF EDUCATION

After struggling laboriously over his homework, the little boy turned to his father. "Gee, Dad," he said wearily, "what's the use of all this edueation stuff, anyway?"

"Why, son," said his father, "there's nothing like it! A good edueation enables you to worry about conditions *everywhere* in the world."

EDITORIALS

Alarming Agreement

One man's opinion seldom startles us, but last month from three different directions came a single opinion from respected men who reached a common conclusion independent of each other.

The opinion: *the nation is in trouble because it has neglected its water resources.*

Frank Doggett, State College Extension Service's soil conservationist, in a news release, reported that one-fourth of the nation's population today is troubled with water shortage, poor water, or both. Doggett pointed out that while our population doubled from 1900 to 1950, our water use quadrupled; by 1955, it was up 21 per cent from 1950. By 1975, it is expected to double.

Sen. Kerr Scott, speaking before the N. C. League of Municipalities even while a rainstorm was raging outside, declared, "The string is running out."

"Our streams are dirty. Cities and towns all over the state have to make a continuous search for new water sources as our population increases.

". . . We have made the mistake of thinking that because an abundance of water is the handiwork of God, we should have no fear of its running out."

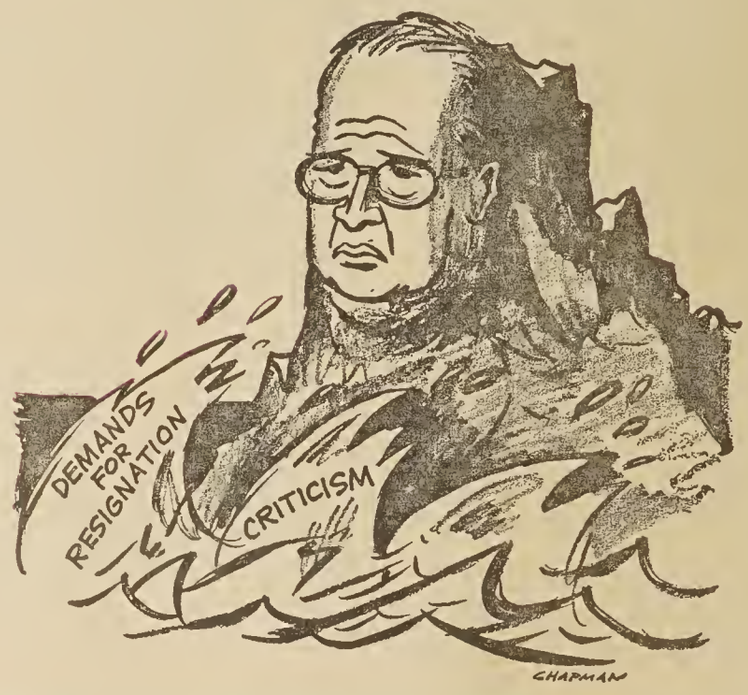
In fact, we should be frightened to death. Scott figures, "it would take an expenditure of about $350 million for North Carolina to catch up with its 'hauling' in water conservation."

He got that figure from estimates made at his request by federal agencies involved in navigation, flood control, sewage disposal, hydroelectric power, watershed projects, soil conservation, and irrigation.

Then, in a speech at Atlanta, Ga., Assistant Secretary of Agriculture Ervin L. Peterson said, "Water is the nation's number one natural resource problem."

Now comes the sad fact. Since 1952, federal expenditures for water conservation have decreased drastically. Money spent for multi-purpose facilities (flood control, irrigation, hydroelectric power, etc.) has dropped from $440 million in 1953 to $175.9 million this year.

Nationally, we are spending only a little more than half of what it would take to fulfill North Carolina's water needs alone.



TARHEEL VIEWS

By William T. Crisp

Businessmen would not long succeed if their ability to borrow money from the local bank depended upon their politics. Lending and borrowing are financial transactions. Politics and banking just don't mix—logically.

But if your local bank should suddenly be transformed into the political instrument of the party that controls your county or state, politics and banking would start getting mixed very quickly — and in favor of the ruling party, leave no doubt about that.

An effort to do just that is now underway in Washington. The statute that created REA spelled out in no uncertain terms that it was to be a nonpartisan, non-political bank for rural electric and telephone cooperatives. For over 20 years REA has been administered on that basis.

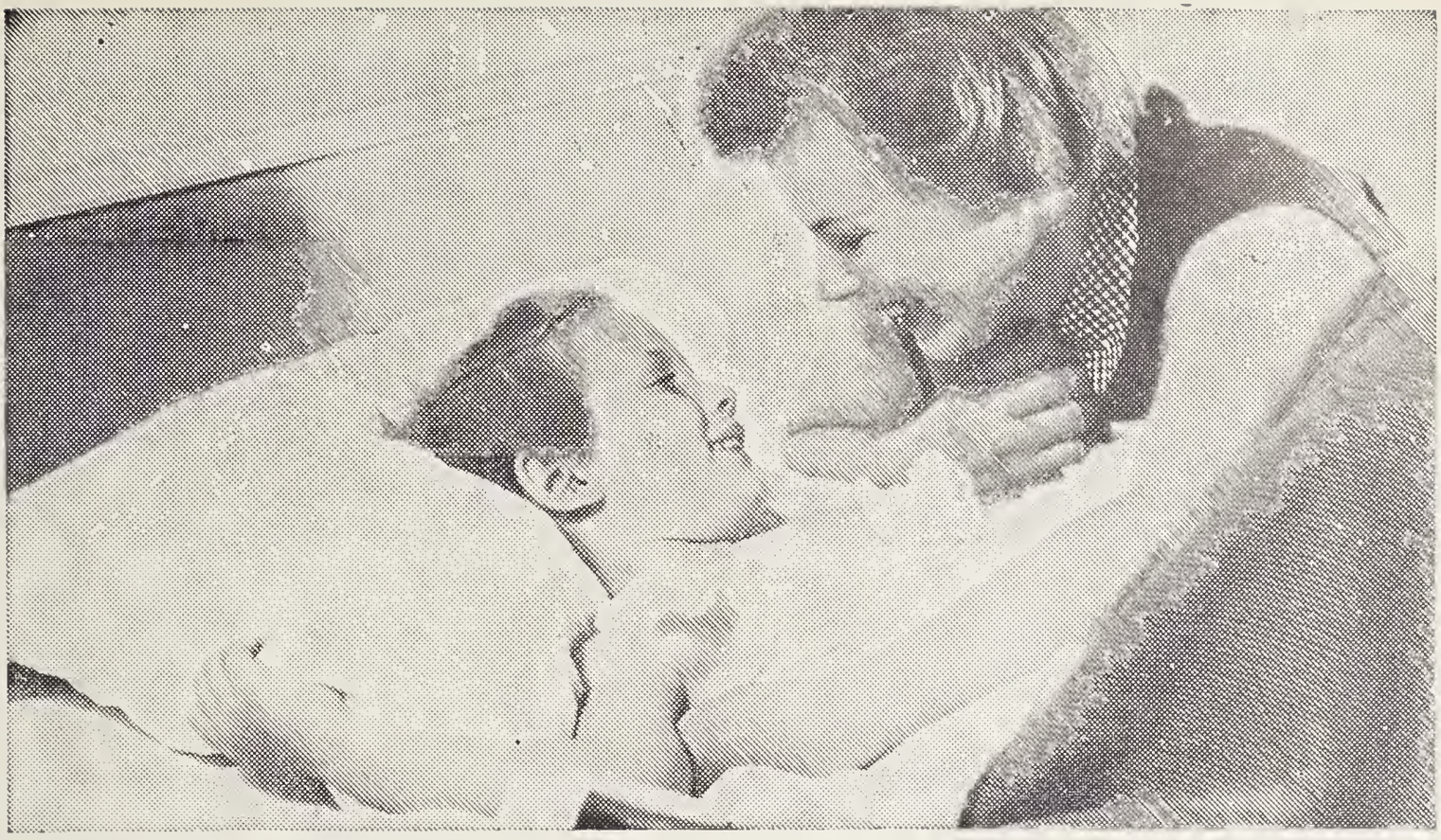
Left alone, the present REA Administrator, David Hamil, would continue to administer it on that basis. But Mr. Hamil has not been left alone. REA is an agency under the over-all wing of the United States Department of Agriculture. The Secretary of Agriculture, Ezra Taft Benson, possesses no legal authority whatever to pass on REA loan applications. Only Mr. Hamil has that authority.

Yet, Mr. Benson has recently set up a "review" policy. It provides that any loan application for $500,000 or more must, regardless of what Mr. Hamil thinks about it, be "reviewed" by one of Mr. Benson's assistants.

Let us make no bones about this business. Mr. Benson's policy has but one purpose—to subject the REA Administrator's loan approval authority to political pressure. If for political reasons Mr. Benson should like to hold up, curtail or even turn down a given loan application, Mr. Hamil, through the new policy, can be made aware of these political facts of life.

This is nasty business. And in our opinion, it is illegal business. Of one thing we may be sure. No matter what party occupies the White House—Democratic or Republican—the REA loan program will ultimately be destroyed if it is made a political football.

For these and many other good reasons, Mr. Benson should withdraw his new "review" requirement — immediately and without reservation.



"Oh, Mommy, it's so good to have you tuck me in again!"

Mother has recovered from a common but serious emotional disturbance. A better UNDERSTANDING of the problem of mental health by all citizens can do so much for so many more. For as your help grows, their hope of recovery increases.

No one is immune to emotional disturbance or mental illness. It can touch anyone—no matter what age, sex or social level. In fact, there are 16 million or more Americans today who are suffering from emotional disturbance or mental illness.

Great strides have been made in research for treatment and prevention of this illness. But a better *understanding* of mental health, by all citizens, could do so much more to help.

Acquaint yourself with the truth about emotional and mental illness. If this problem should occur in your family, there's no reason why you shouldn't discuss it, face it as you would any physical illness. Find out how to deal with it, how it can be treated. And above all, work with your local mental health association.

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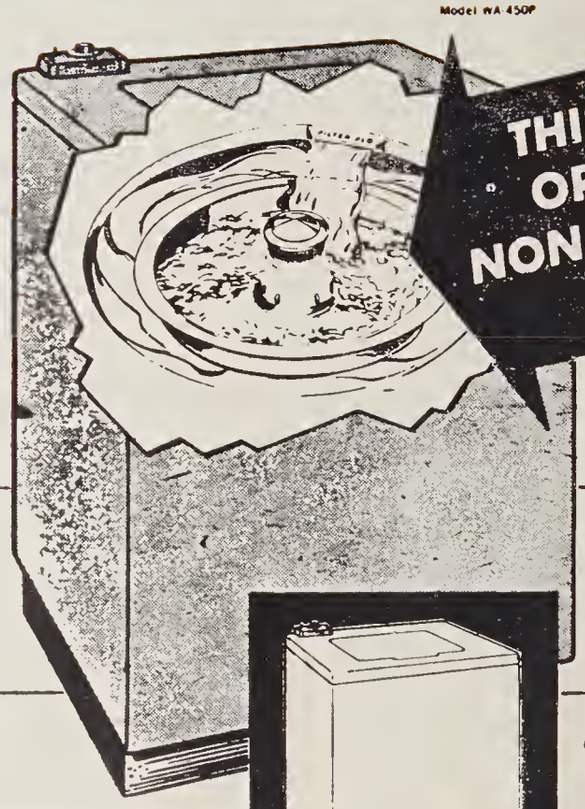

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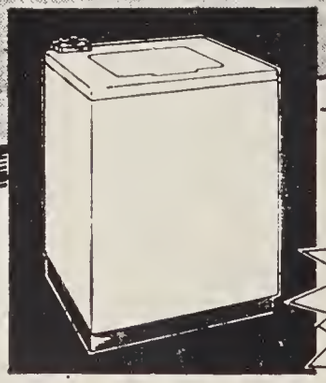

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